
Supplementary information

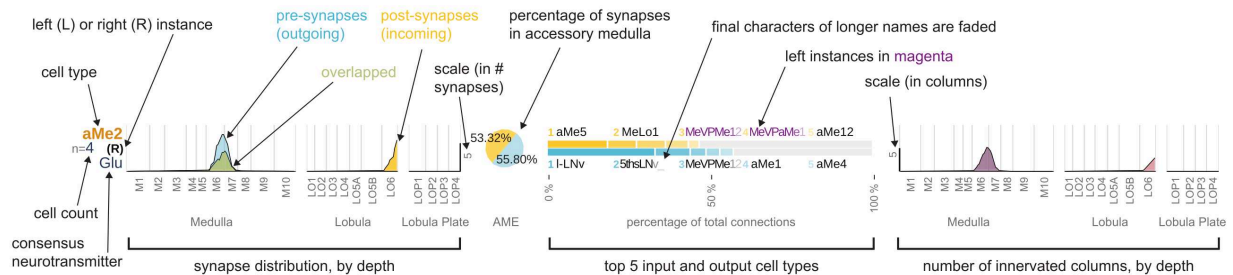
Connectome-driven neural inventory of a complete visual system

In the format provided by the
authors and unedited

Supplementary Fig. 1: Summary of the anatomy and connectivity of visual system neurons

The 70-page summary of all the neurons follows the conventions of Fig. 5 (see Methods section **Summary of connectivity and size by depth**). The quantified morphology and distribution of pre- and post-synapses (mean of all cells of the type), together with the top five connected cells (for connections > 1, averaged across all cells of the type), are found on odd pages. For details of cell type names, see the methods section **Cell type nomenclature**. Some bilateral neurons are found in the right optic lobe, and to distinguish between the right and left hemisphere versions of the cell type, we treat them separately and append an (R) or (L) to the cell type's name. In the top 5 connectivity data in the center panel, left-hemisphere cell types are indicated with a magenta label. The synapse distributions are plotted as counts of synapses in each bin along columns of the brain region, with the scale indicated on the right-hand side. Medulla columns: 121 bins (0.54 μ m mean length), lobula columns: 76 bins (0.75 μ m mean length), lobula plate columns: 51 bins (0.5 μ m mean length). The length of columns varies by spatial position (see Extended Data Fig. 7b).

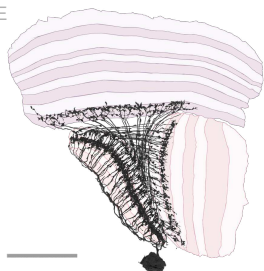
Annotated example of per-cell type summary:



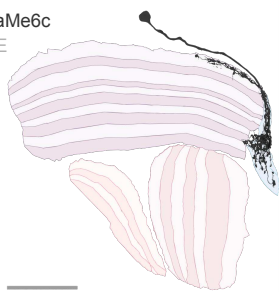
A gallery of rendered example neurons (see Methods section **Gallery of representative neurons**) is paired with the summary data and shown on even pages. A representative neuron of each type has been selected and is shown in a sliced view to reveal the innervation patterns of the visual regions (scale bar = 50 μ m); the central brain arbors of most VPN and VCN neurons are not shown in their entirety. Each slice is taken from one of three locations, indicated by D (dorsal), E (equatorial), or V (ventral), with most neurons shown in the E slice, except for cells best represented in more dorsal or ventral locations. The layers are sheared relative to the slicing planes in the D and V locations, so the layer patterns should be viewed as suggestive, but the more accurate description is found in the corresponding synapse and size (by depth) data plots.

The PDF document contains bookmarks with cell type names (linked to the summary data). The document is most conveniently viewed in “two-page view” and tested to work well with Adobe Acrobat and Poppler based viewers.

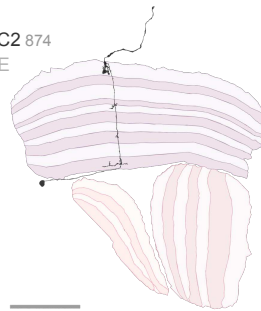
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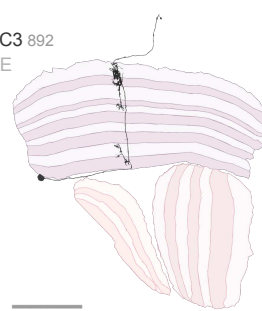
aMe6c
E



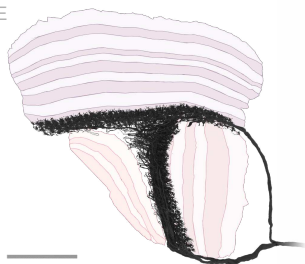
C2 874
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C3 892
E



CT1
E



L1 892
E



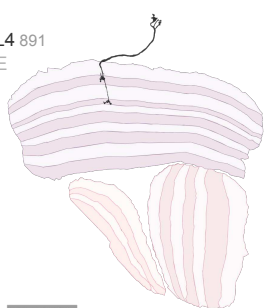
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L4 891
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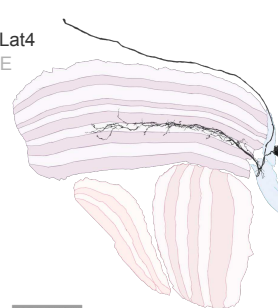
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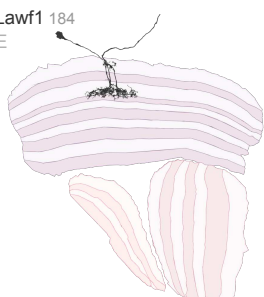
Lat3 4
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Lat4
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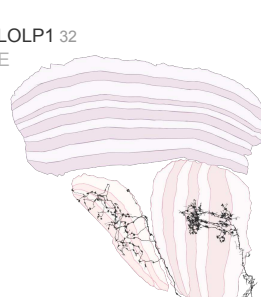
Lawf1 184
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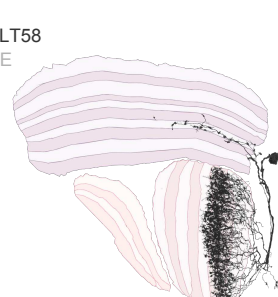
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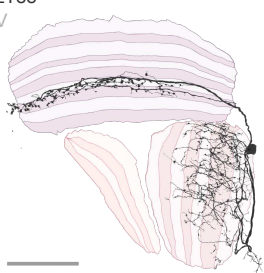
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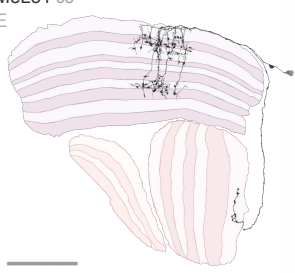
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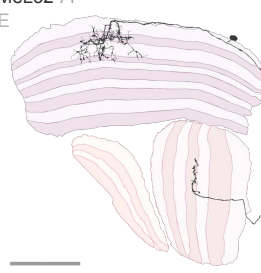
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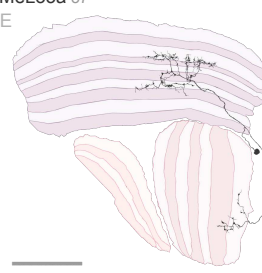
MeLo1 63
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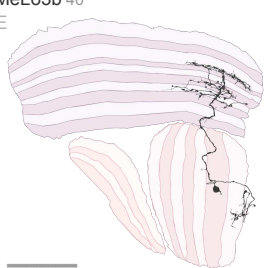
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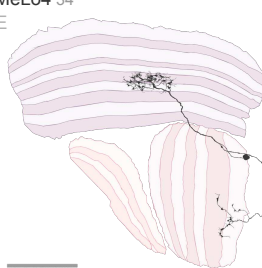
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MeLo3b 40
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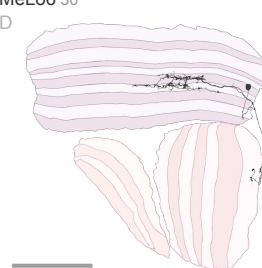
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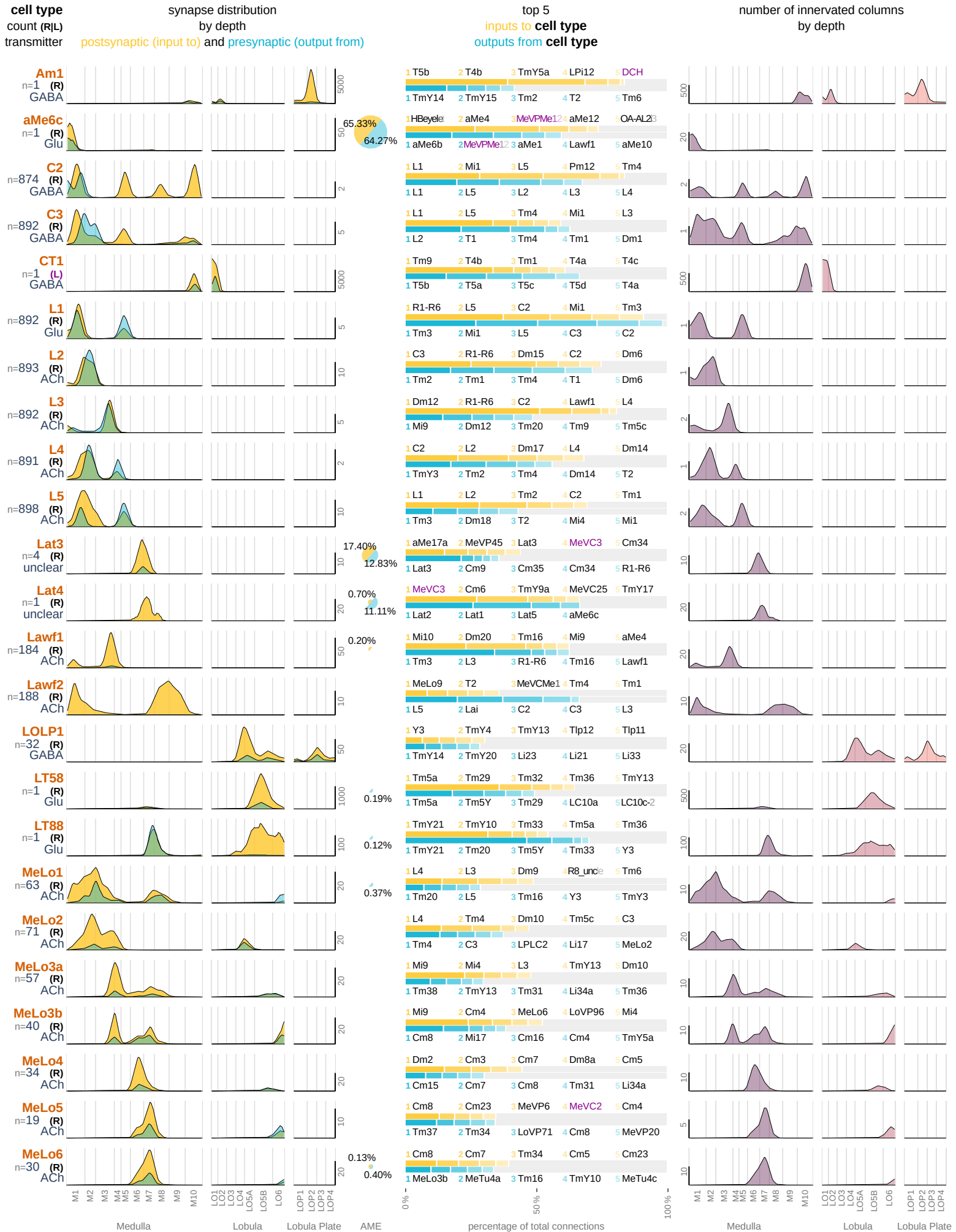
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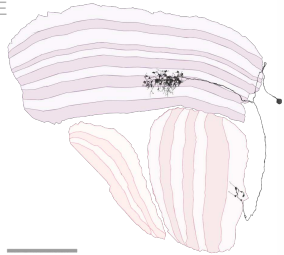


Optic Neuropil Connecting Neurons 1 / 4



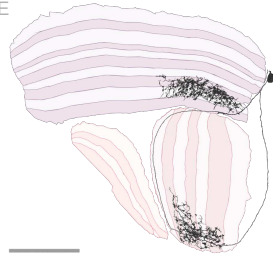
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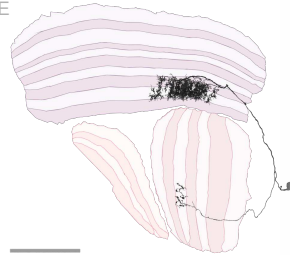
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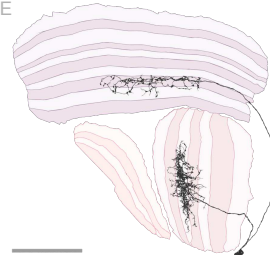
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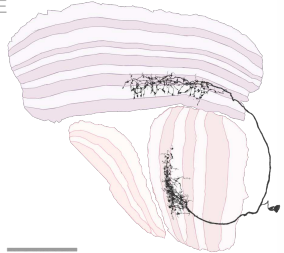
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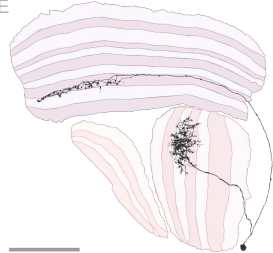
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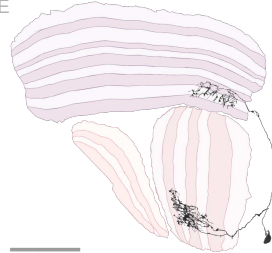
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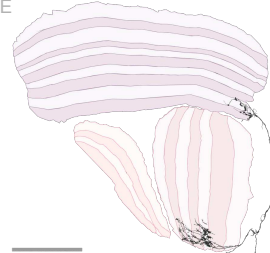
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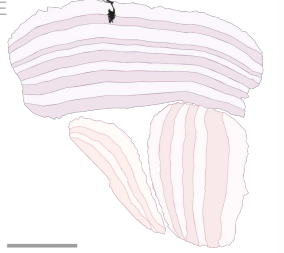
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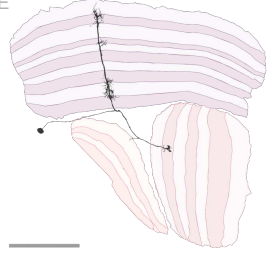
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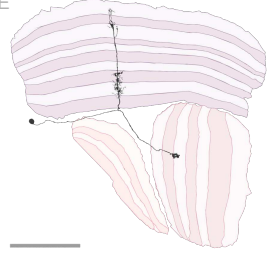
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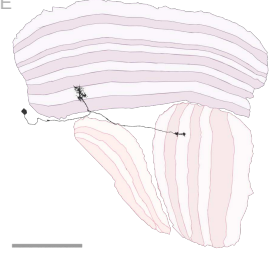
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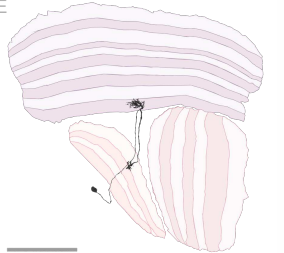
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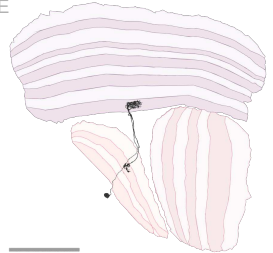
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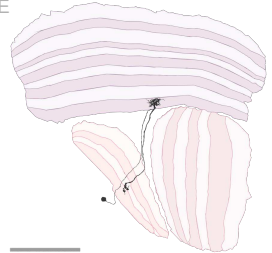
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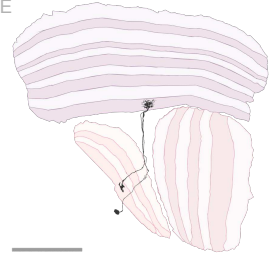
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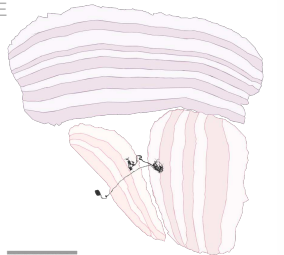
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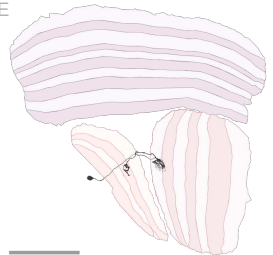
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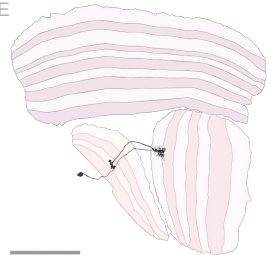
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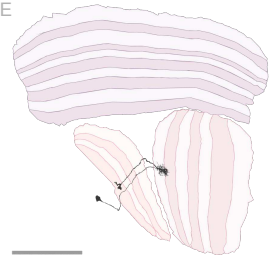
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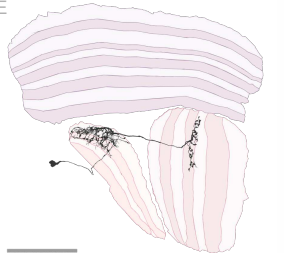
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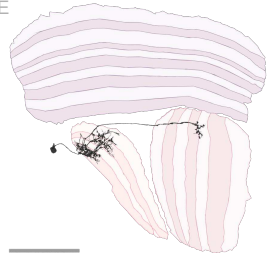
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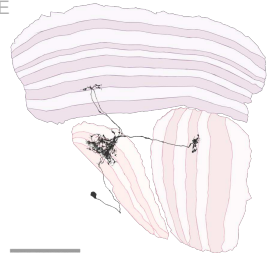
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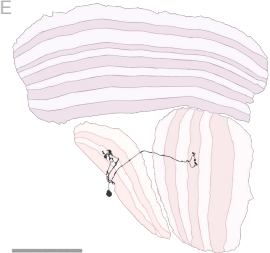
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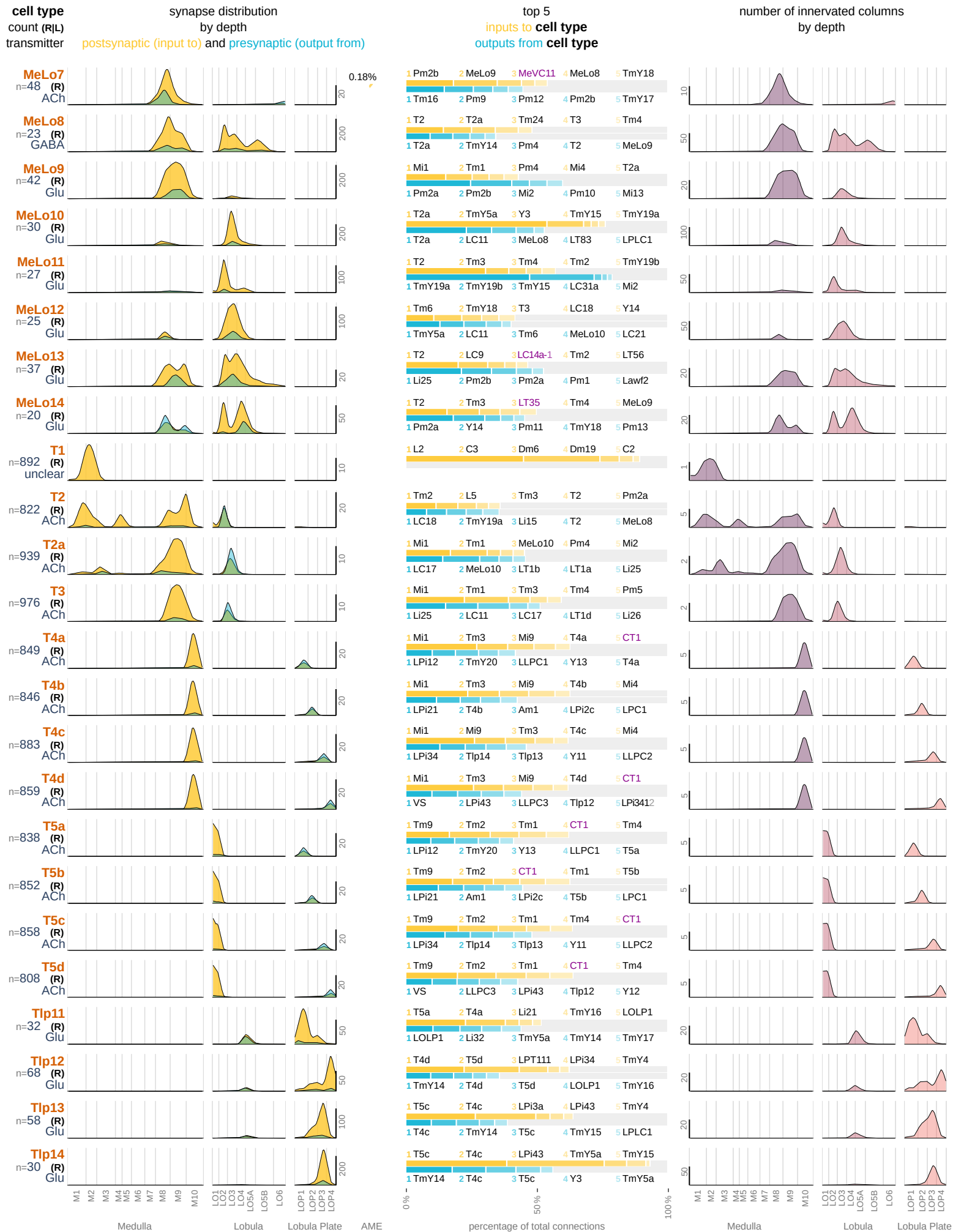


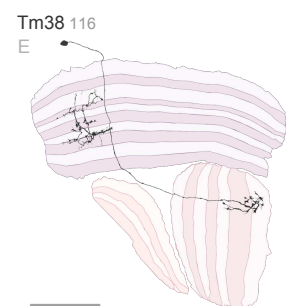
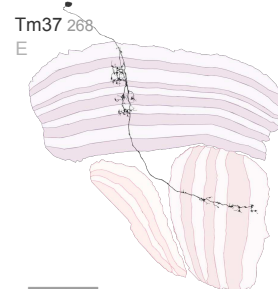
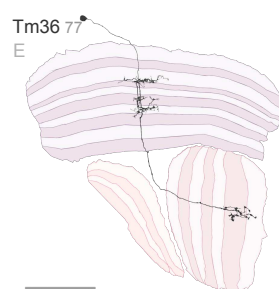
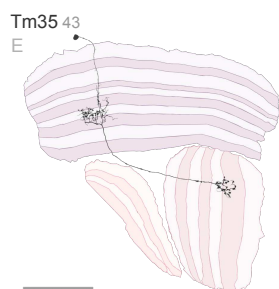
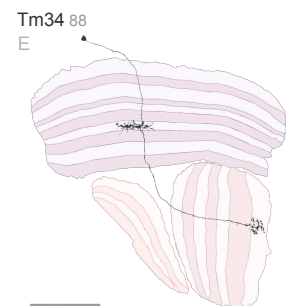
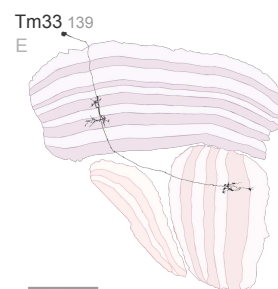
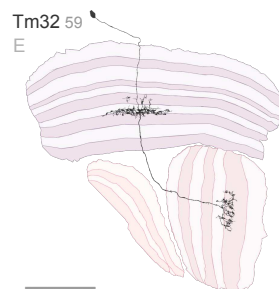
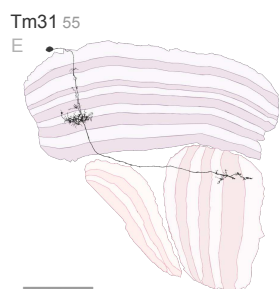
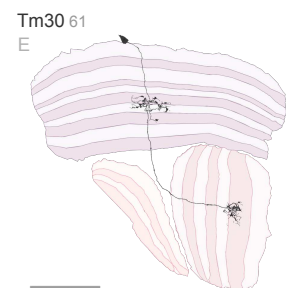
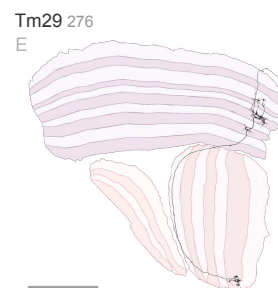
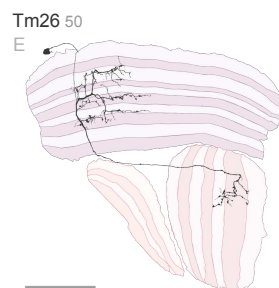
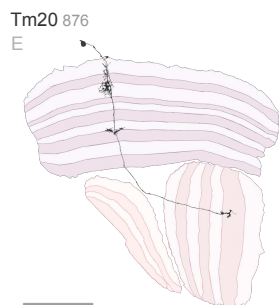
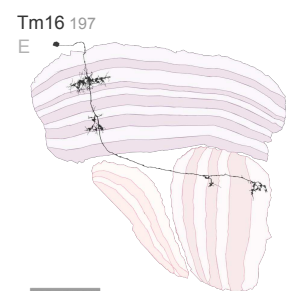
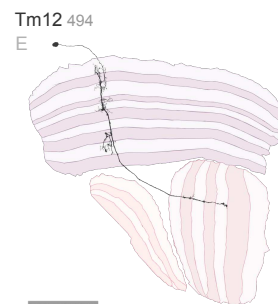
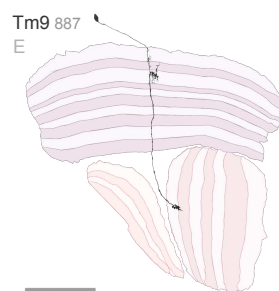
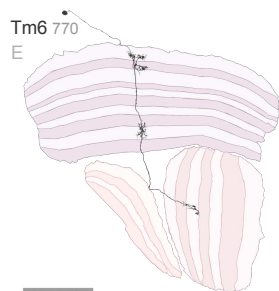
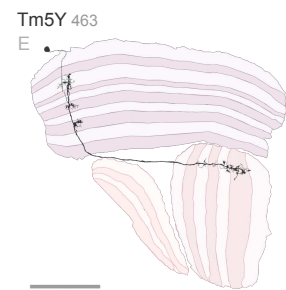
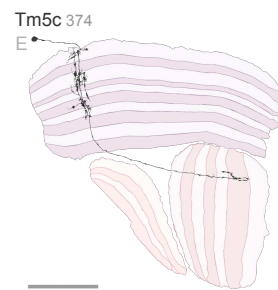
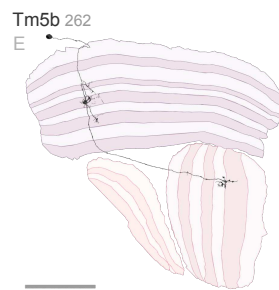
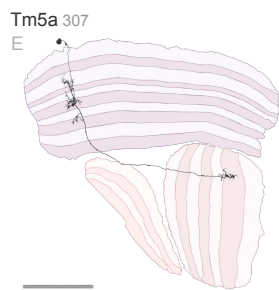
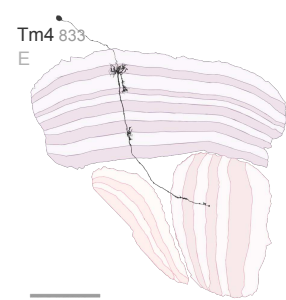
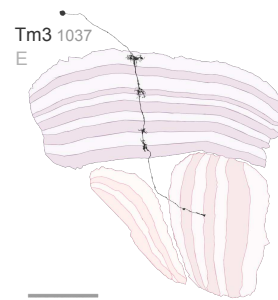
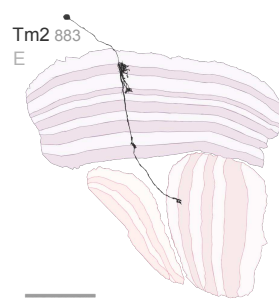
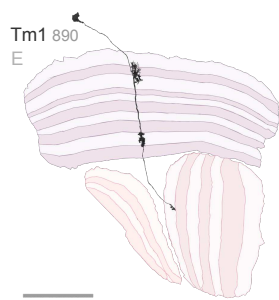
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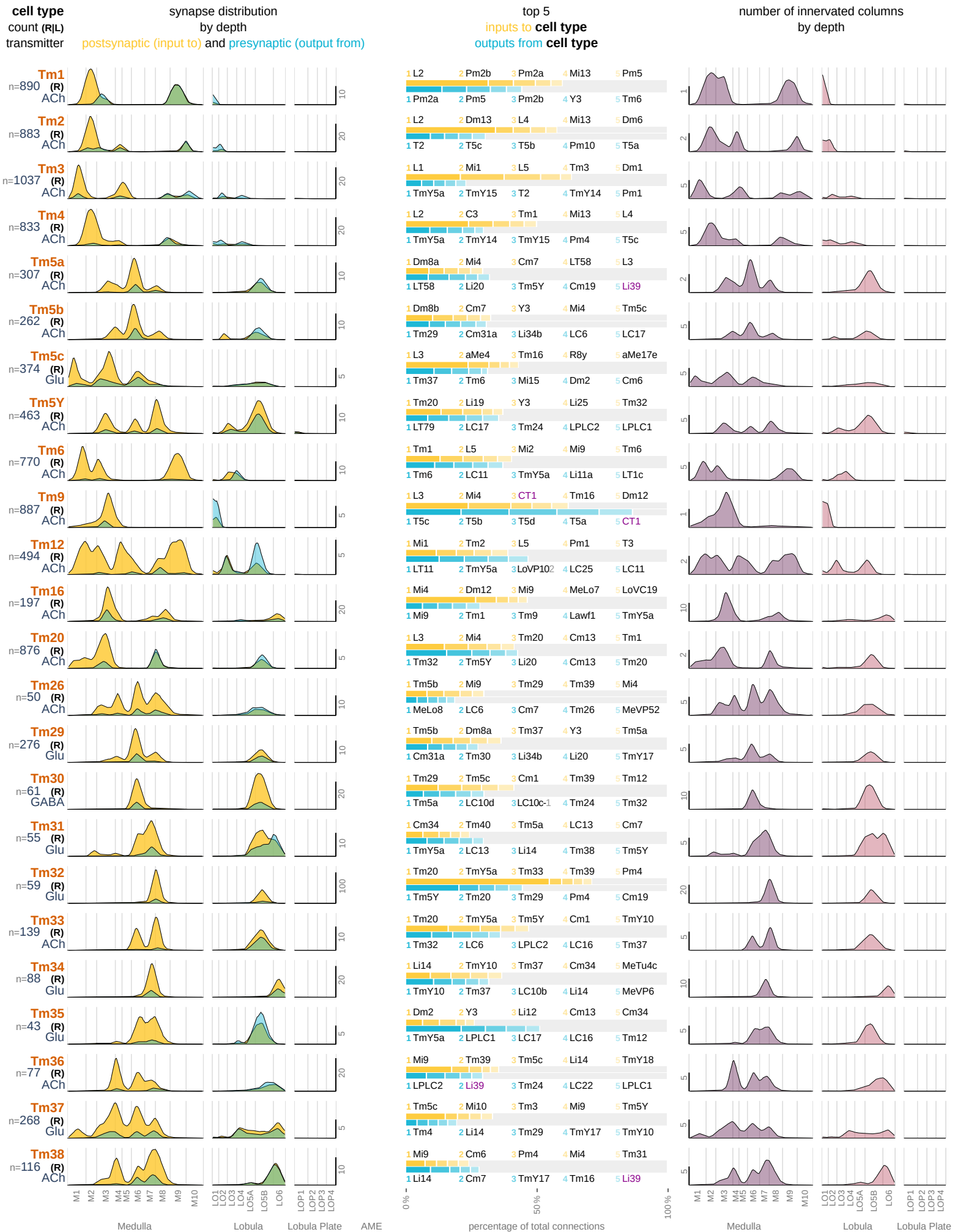


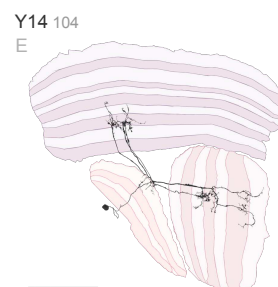
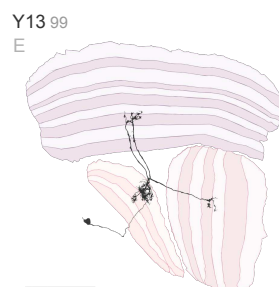
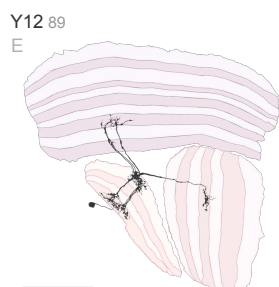
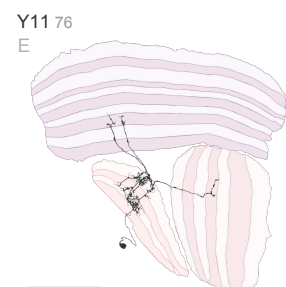
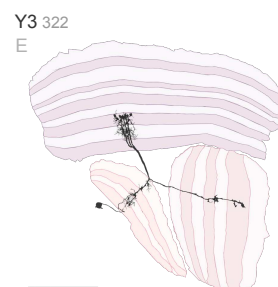
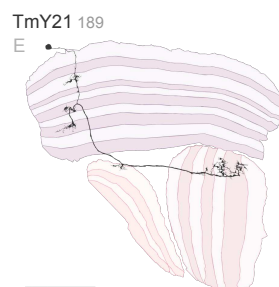
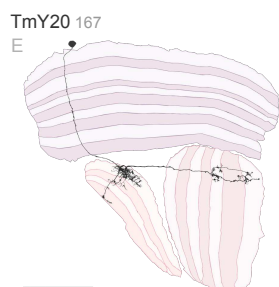
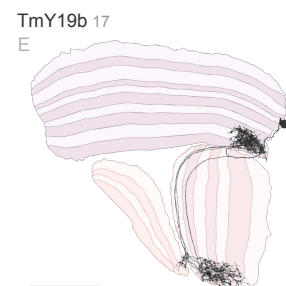
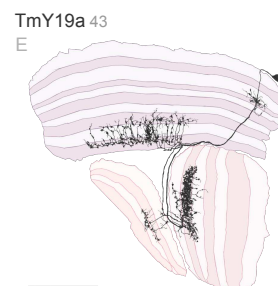
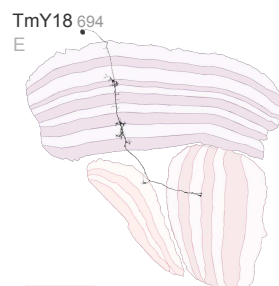
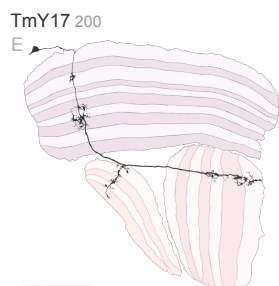
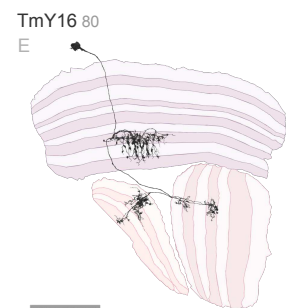
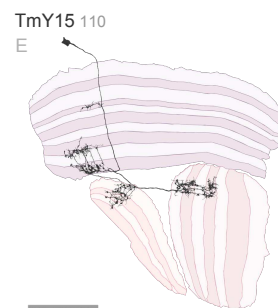
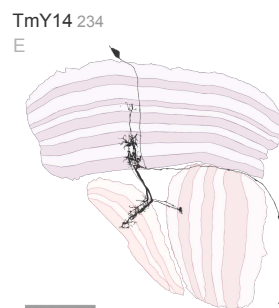
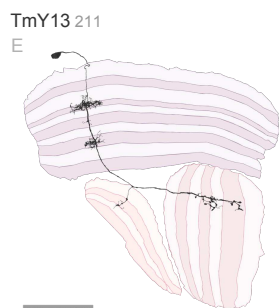
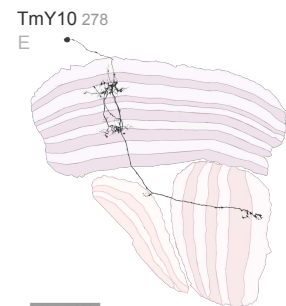
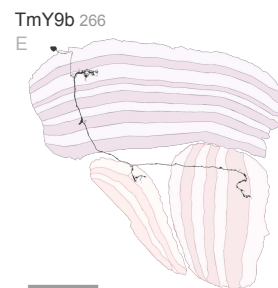
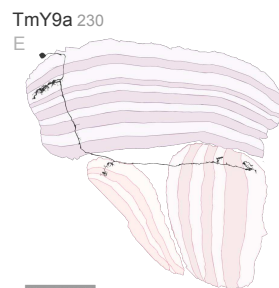
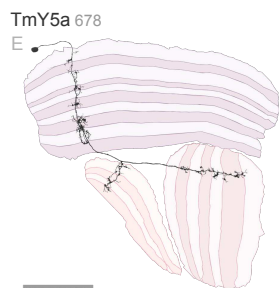
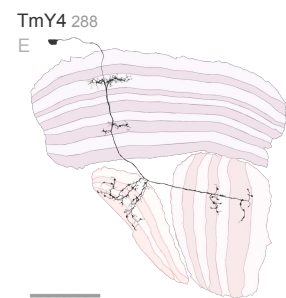
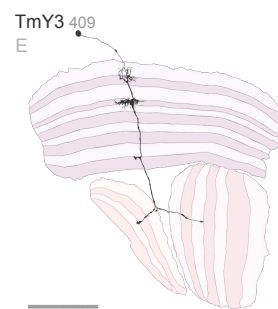
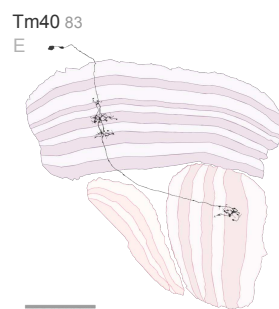
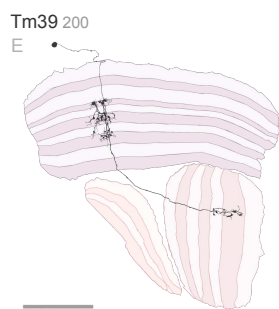
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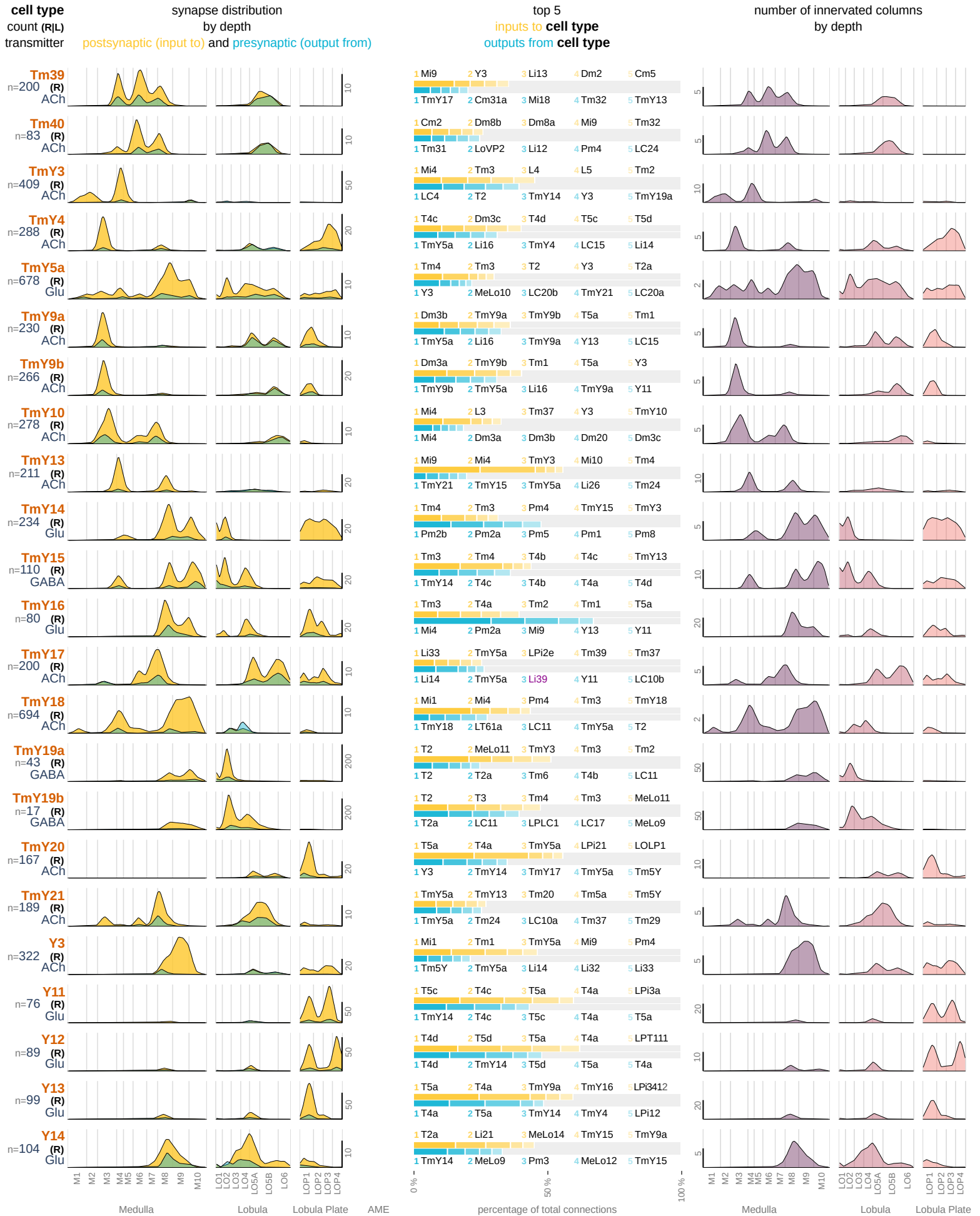


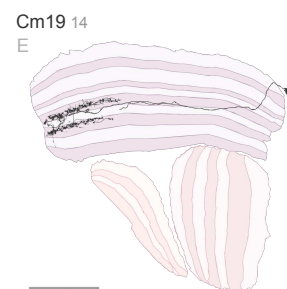
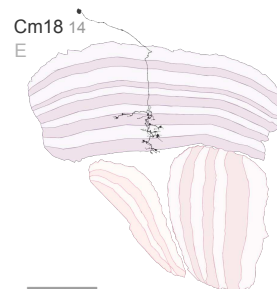
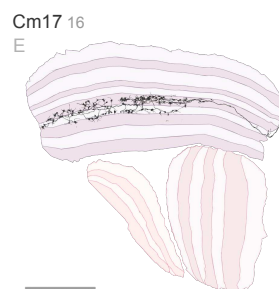
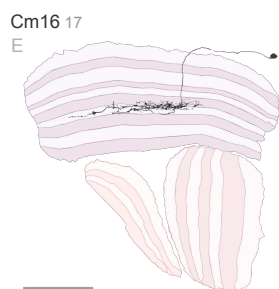
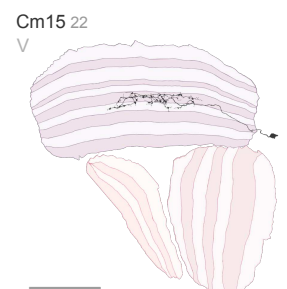
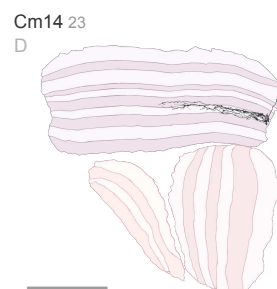
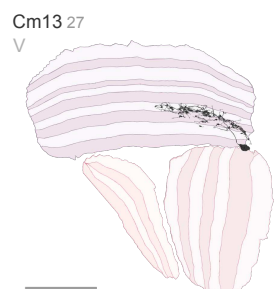
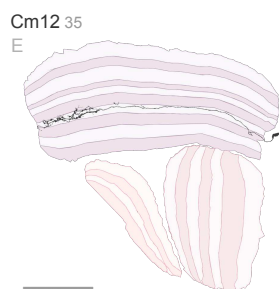
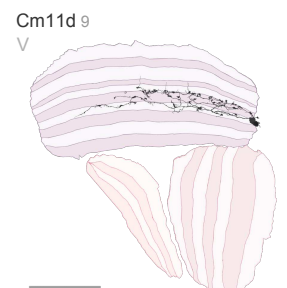
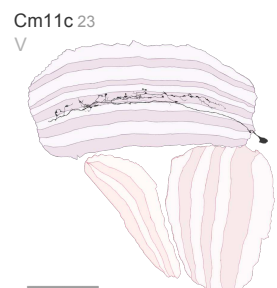
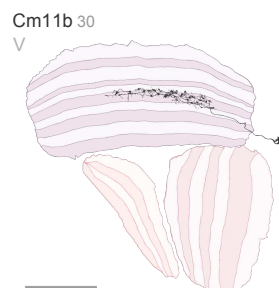
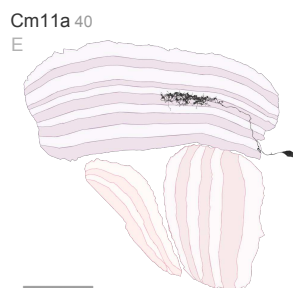
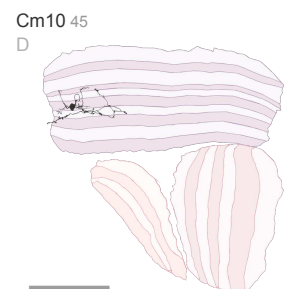
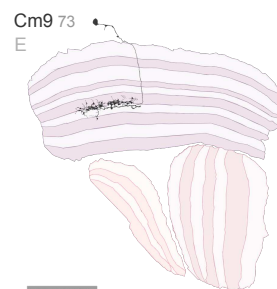
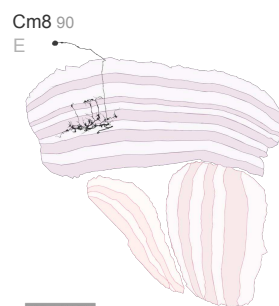
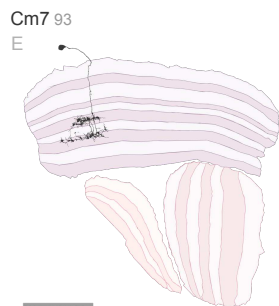
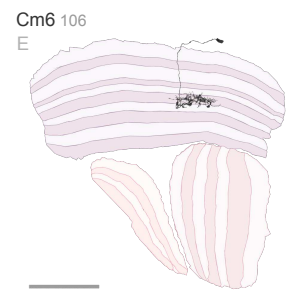
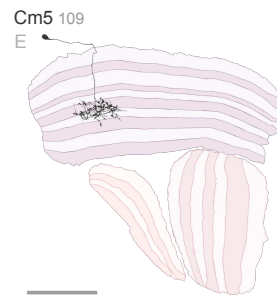
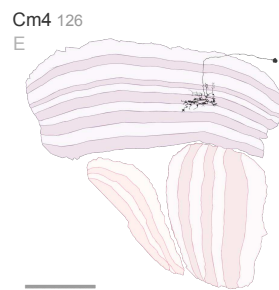
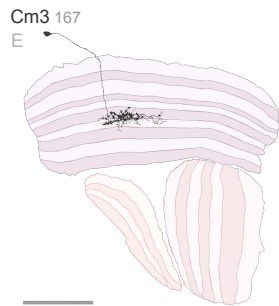
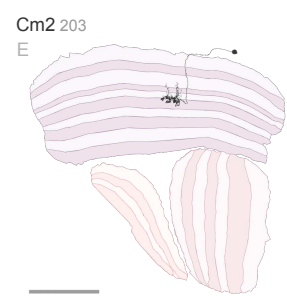
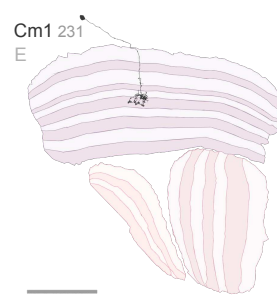
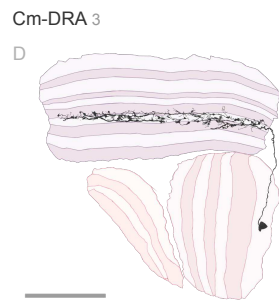
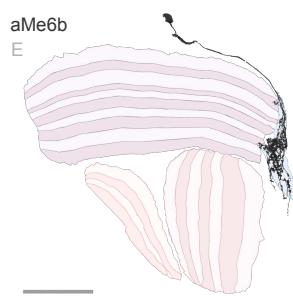
Optic Neuropil Connecting Neurons 3 / 4



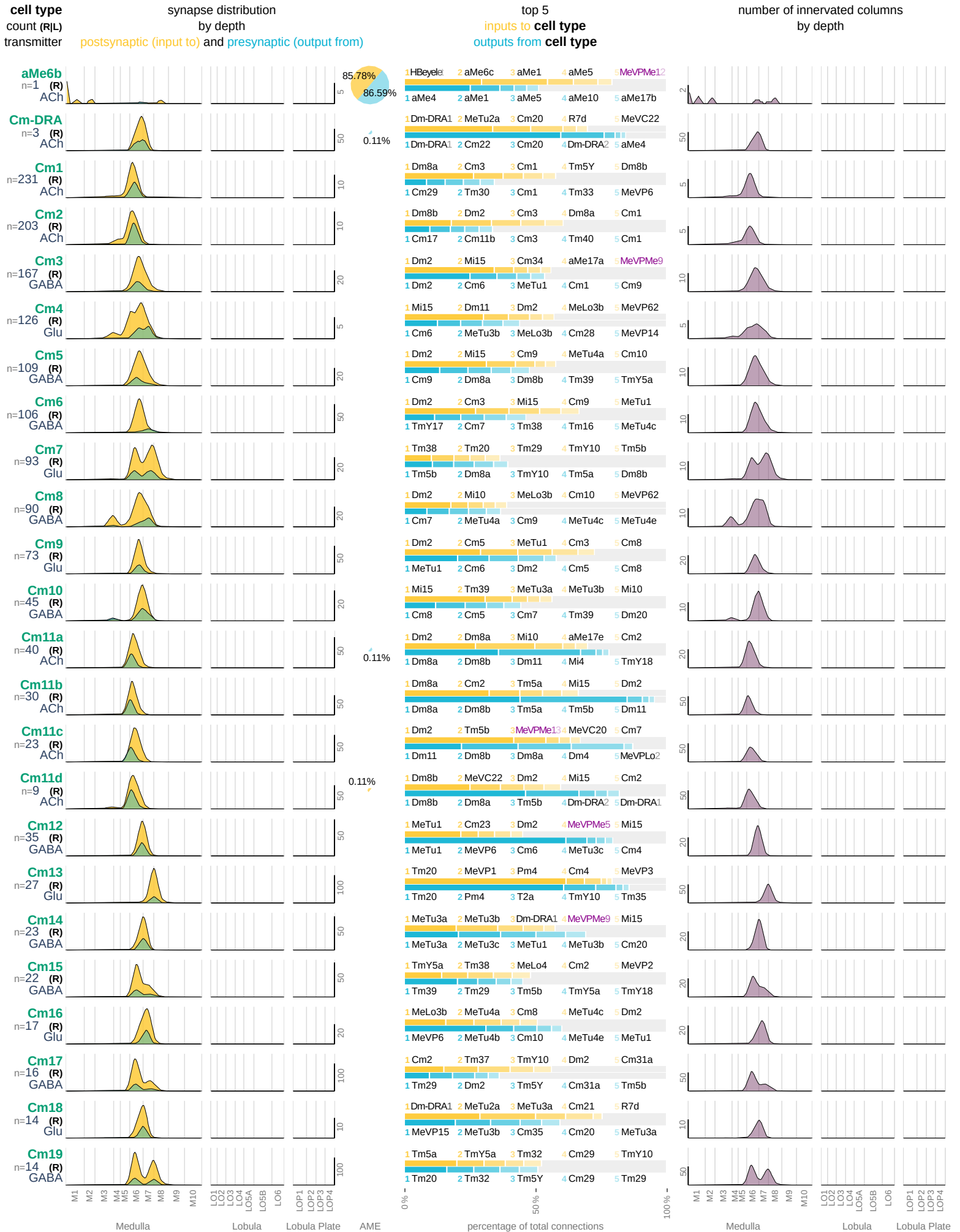


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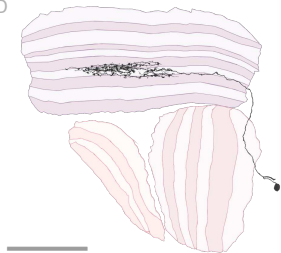


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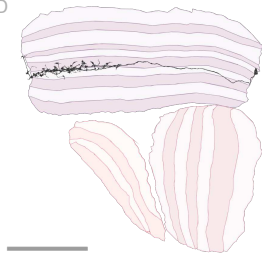
Cm20 13

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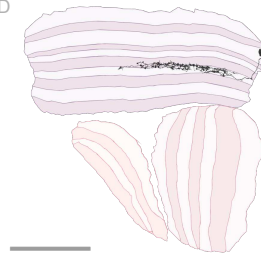
Cm21 13

D



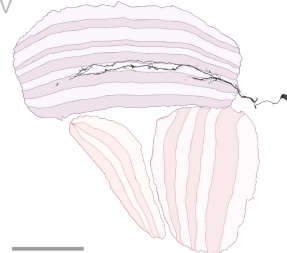
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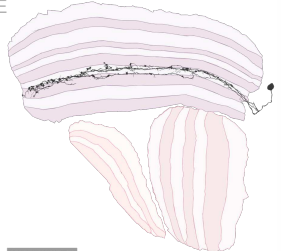
Cm23 8

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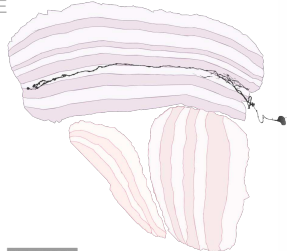
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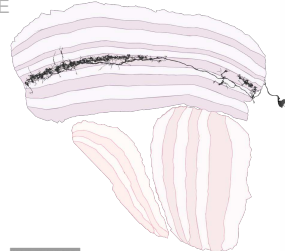
Cm25 3

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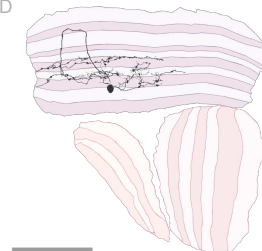
Cm26 6

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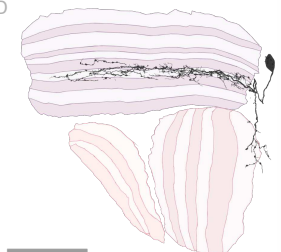
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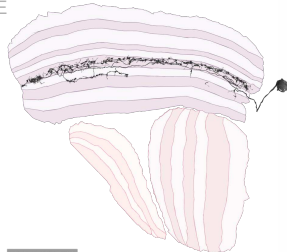
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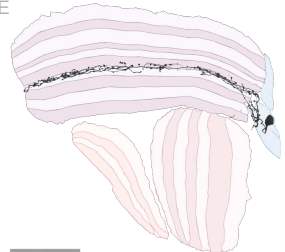
Cm29 3

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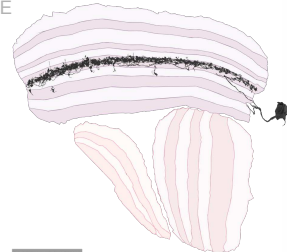
Cm30 2

E



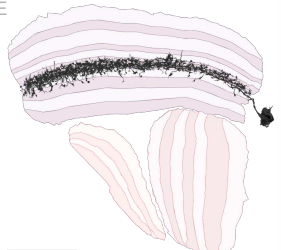
Cm31a 2

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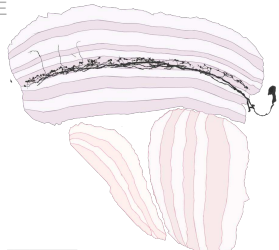
Cm31b

E



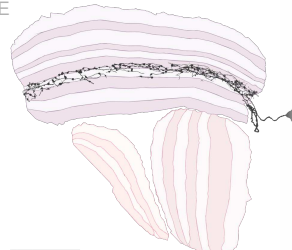
Cm32

E



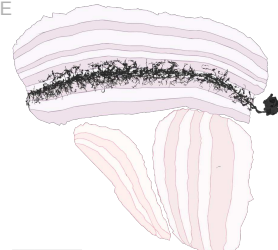
Cm33

E



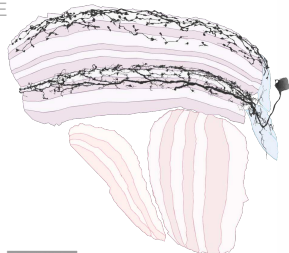
Cm34

E



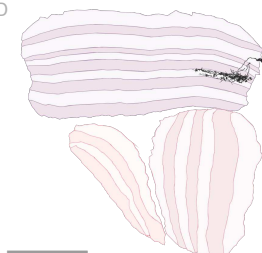
Cm35

E



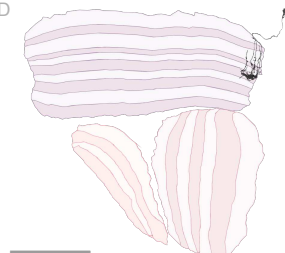
Dm-DRA1 26

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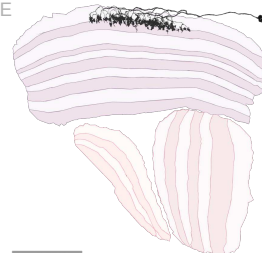
Dm-DRA2 18

D



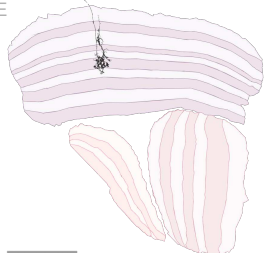
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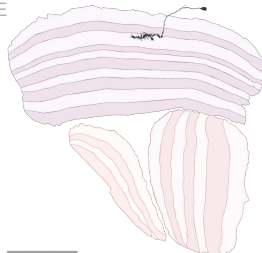
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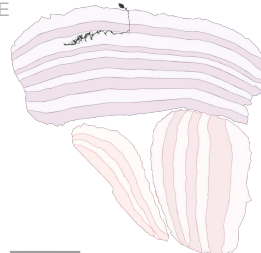
Dm3a 601

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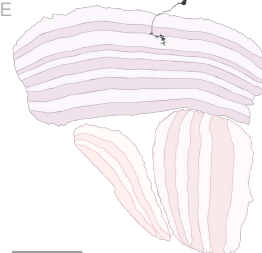
Dm3b 571

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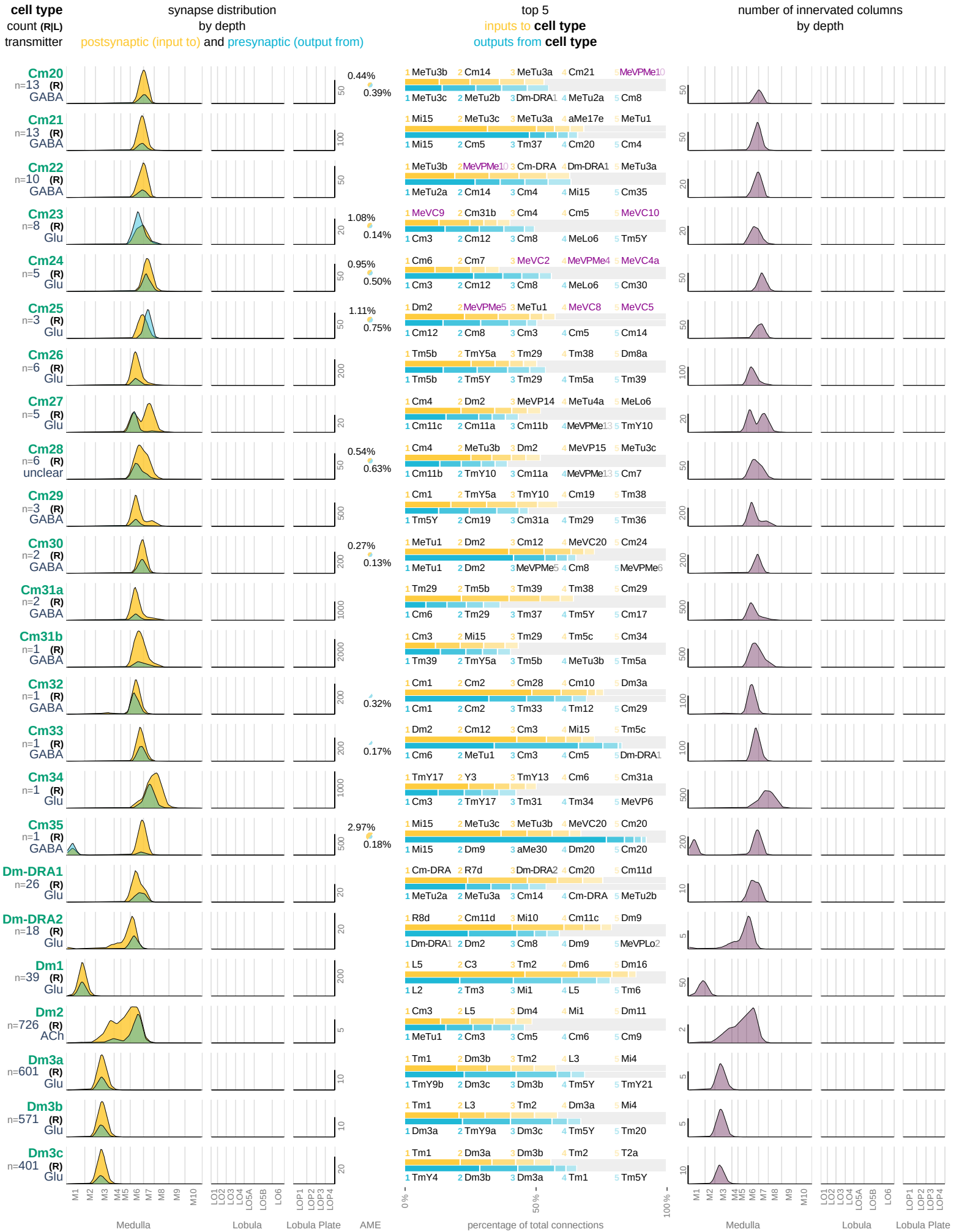


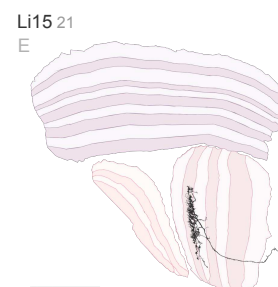
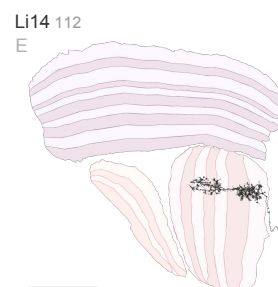
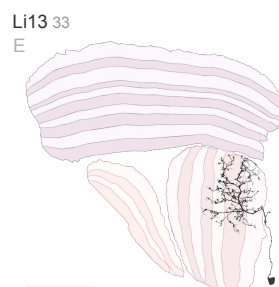
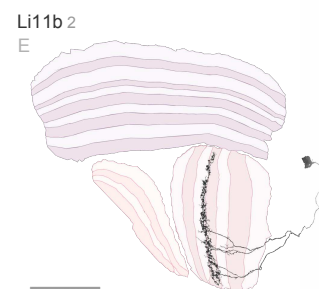
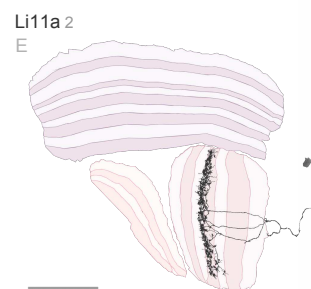
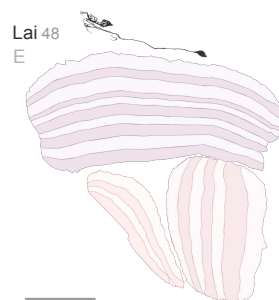
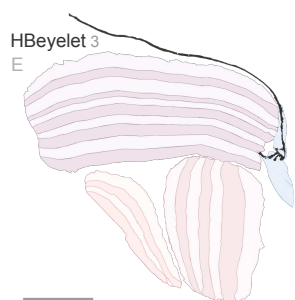
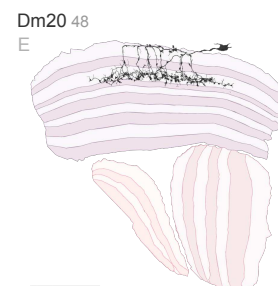
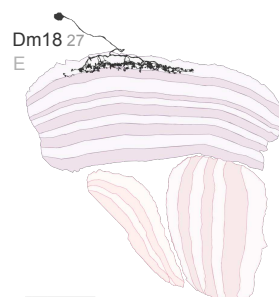
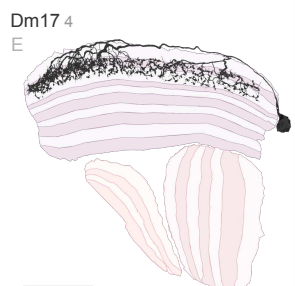
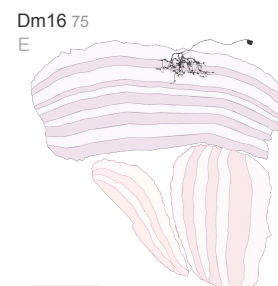
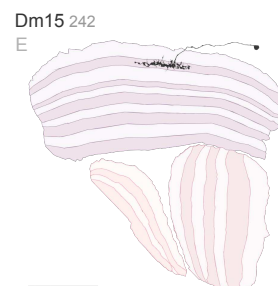
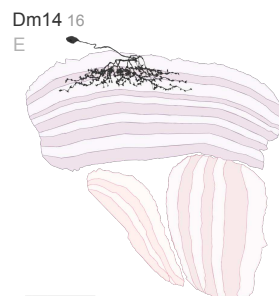
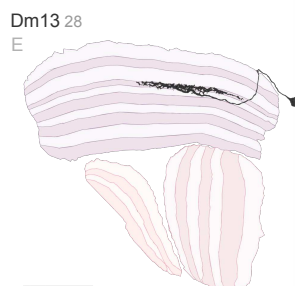
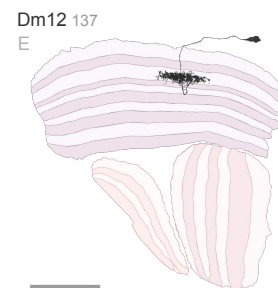
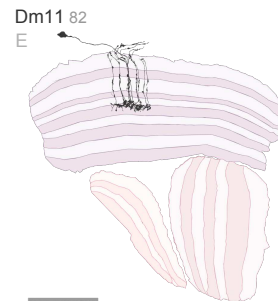
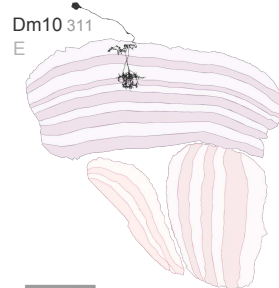
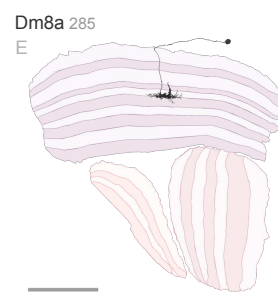
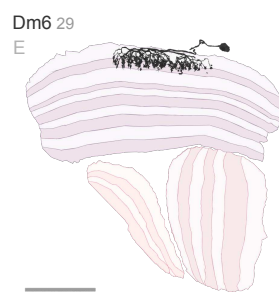
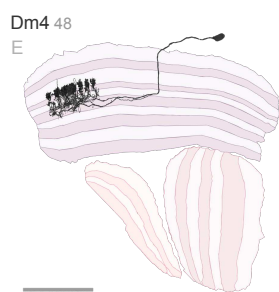
Dm3c 401

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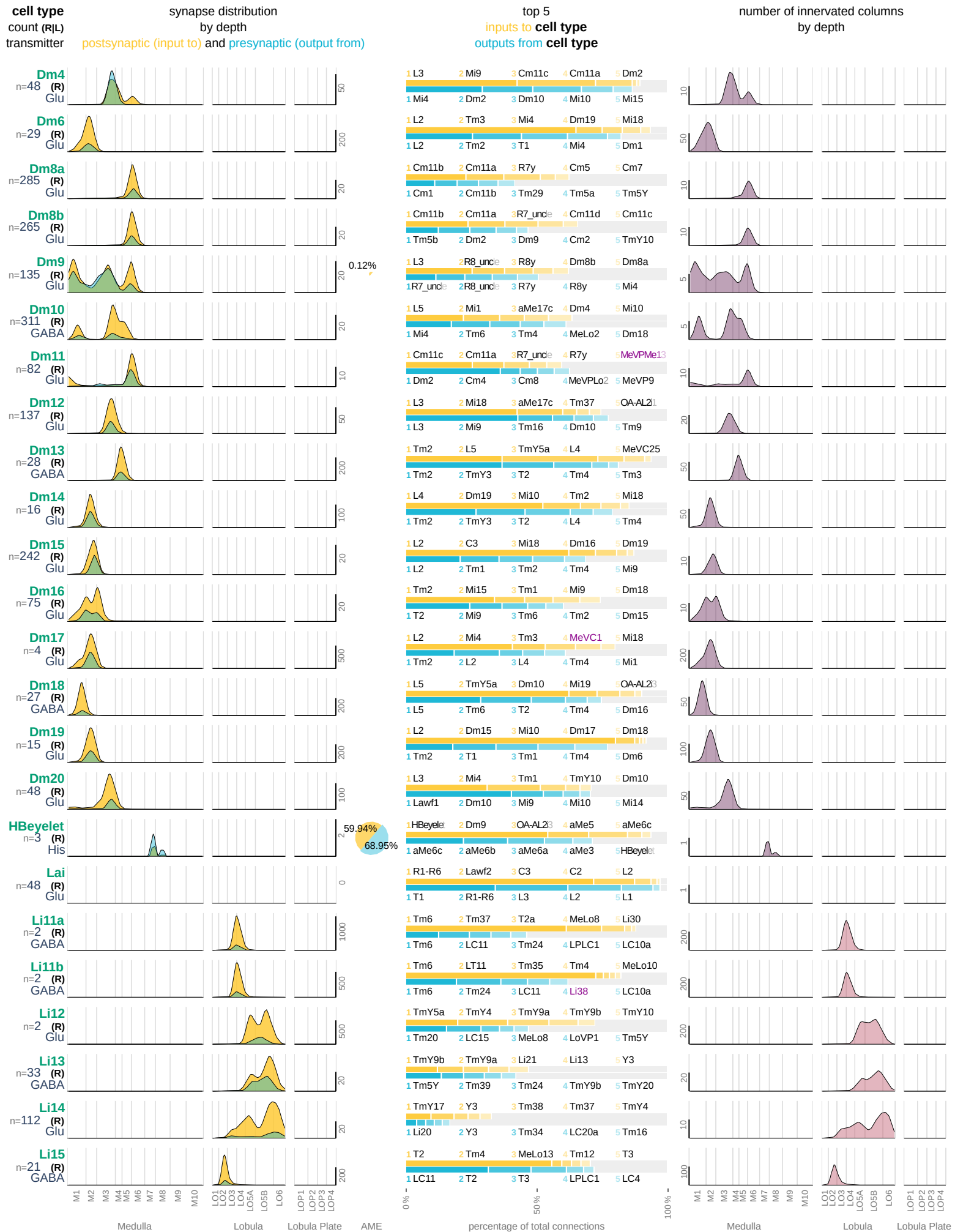


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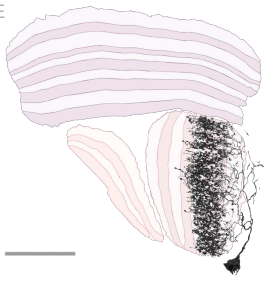




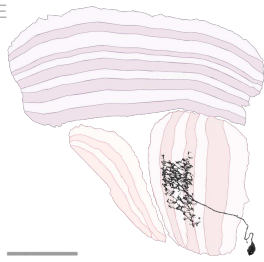
Optic Neuropil Intrinsic Neurons 3 / 7



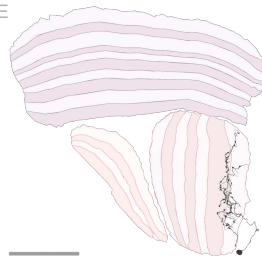
Li16 2
E



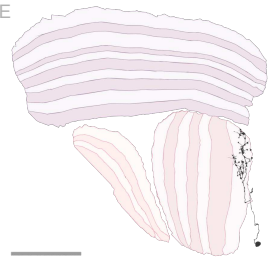
Li17 10
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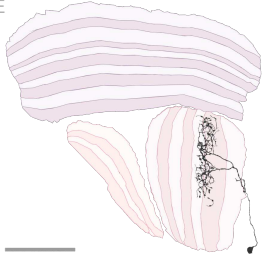
Li18a 23
E



Li18b 17
E



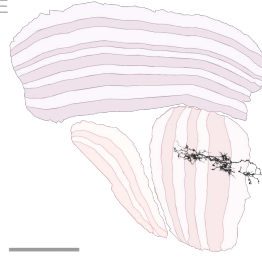
Li19 26
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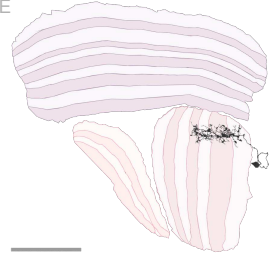
Li20 21
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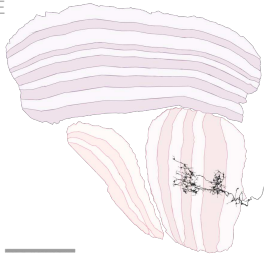
Li21 105
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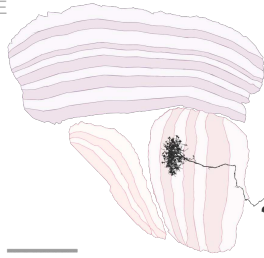
Li22 119
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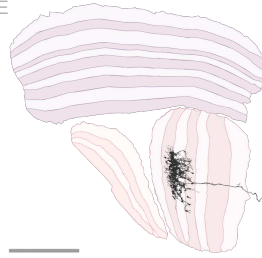
Li23 60
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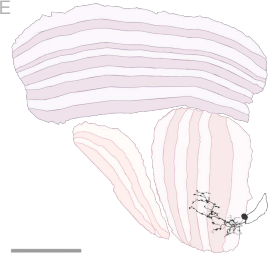
Li25 60
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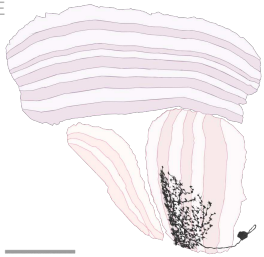
Li26 18
E



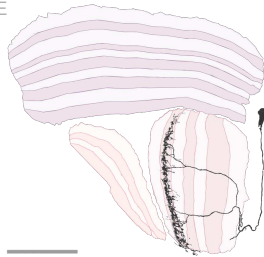
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E



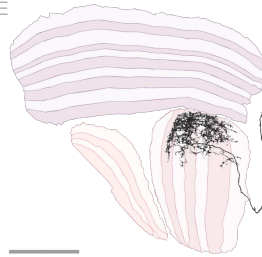
Li28 6
E



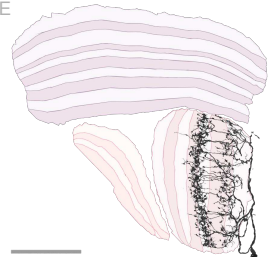
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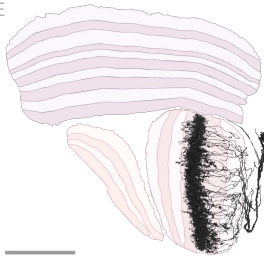
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E



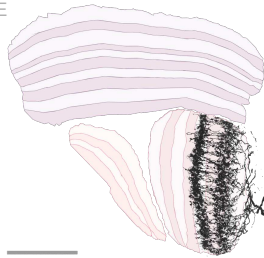
Li31
E



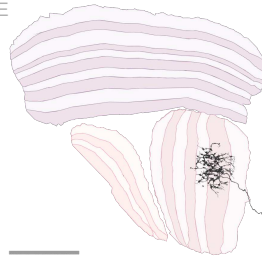
Li32
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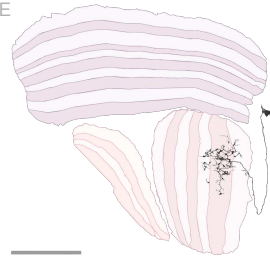
Li33
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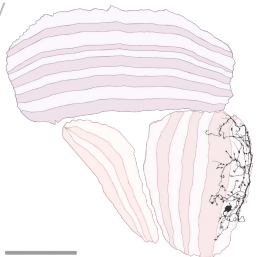
Li34a 34
E



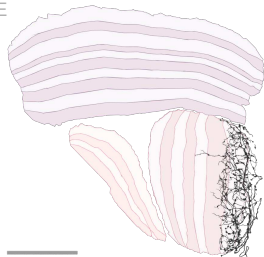
Li34b 30
E



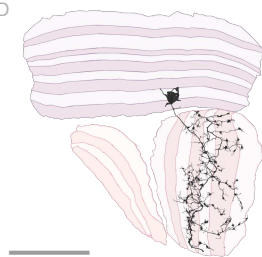
Li35 13
V



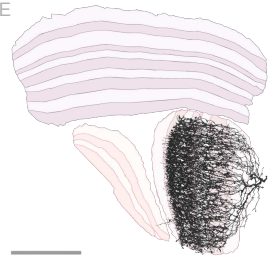
Li36
E



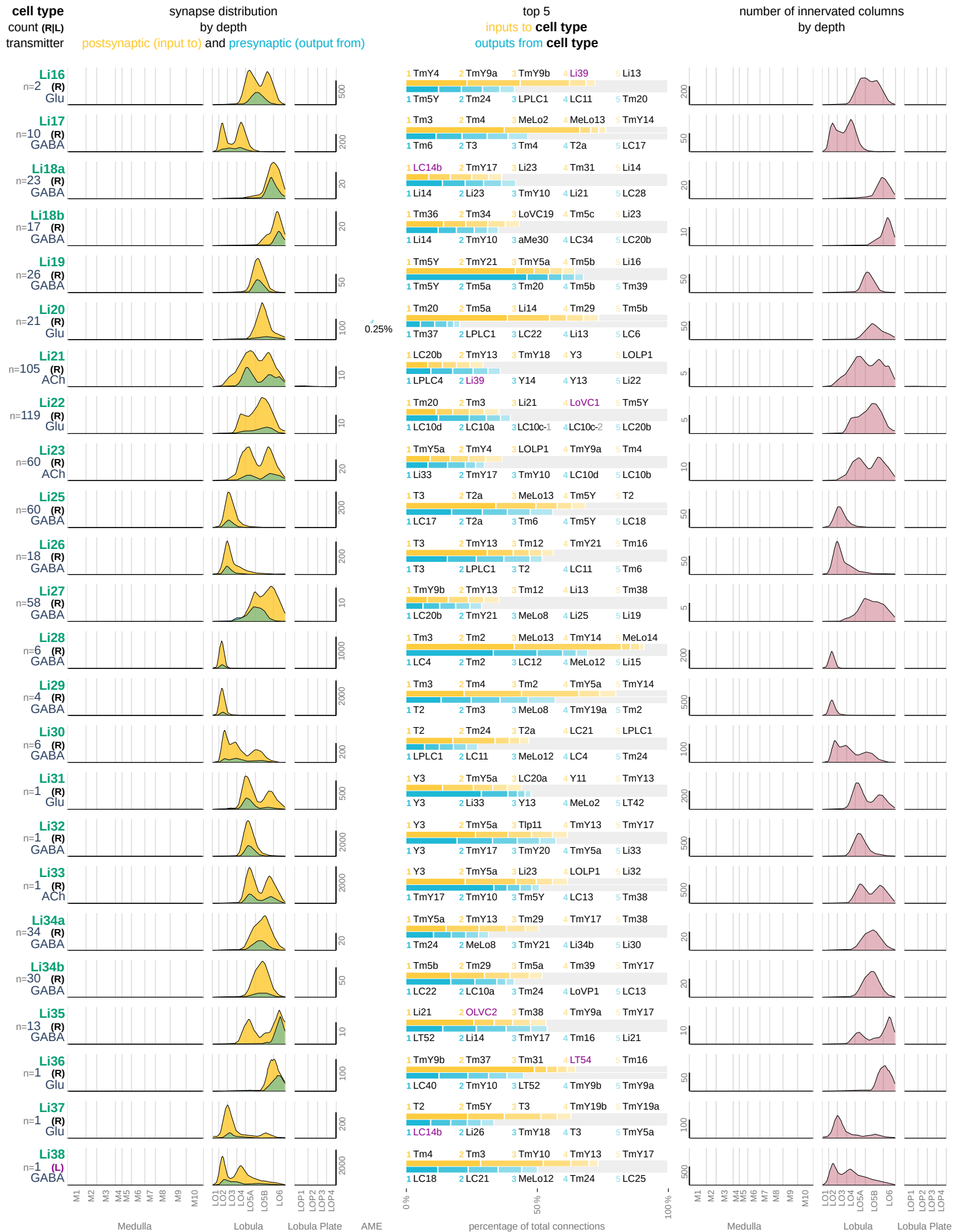
Li37
D



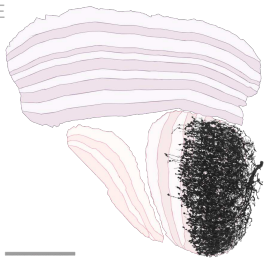
Li38
E



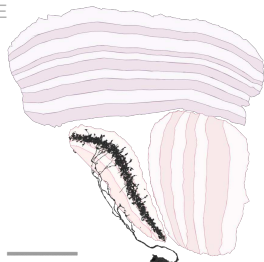
Optic Neuropil Intrinsic Neurons 4 / 7



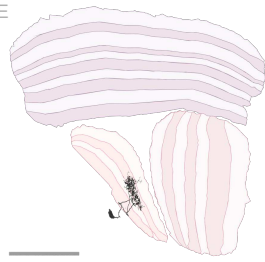
Li39
E



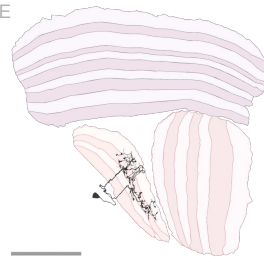
LPI2b
E



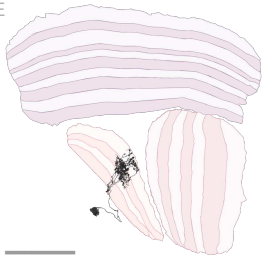
LPI2c 27
E



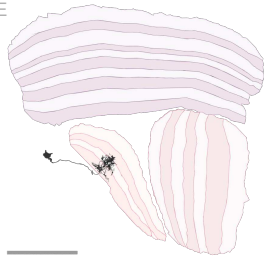
LPI2d 26
E



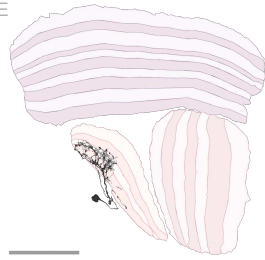
LPI2e 46
E



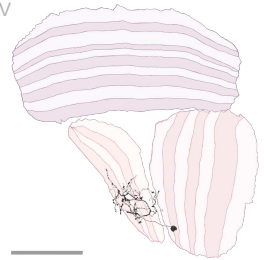
LPI3a 63
E



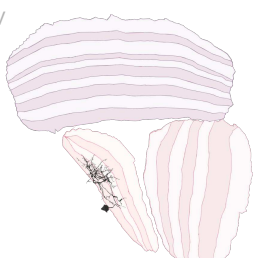
LPI3b 22
E



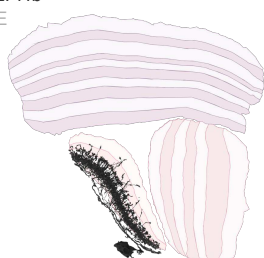
LPI3c 6
V



LPI4a 17
V



LPI4b
E



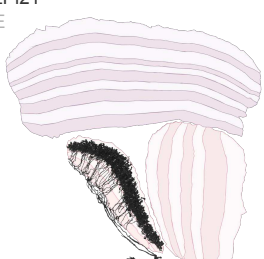
LPI12 2
E



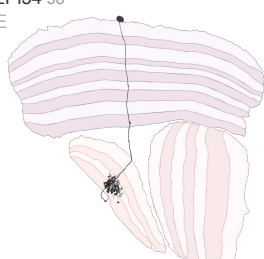
LPI14 16
V



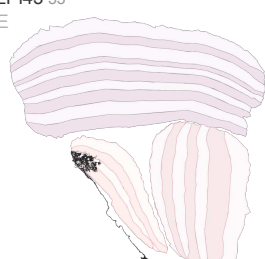
LPI21
E



LPI34 58
E



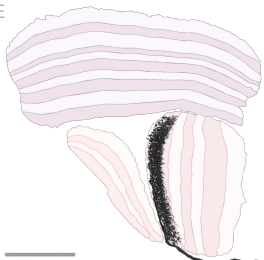
LPI43 33
E



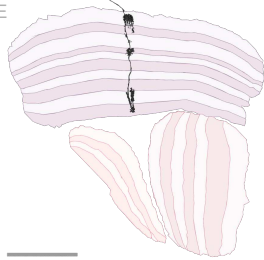
LPI3412 57
E



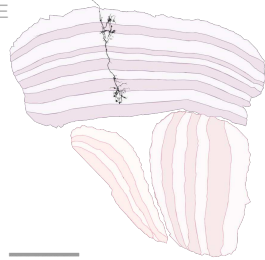
LT33
E



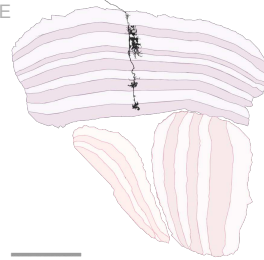
Mi1 887
E



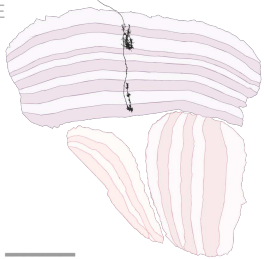
Mi2 492
E



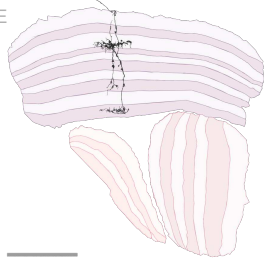
Mi4 889
E



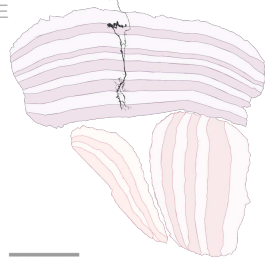
Mi9 889
E



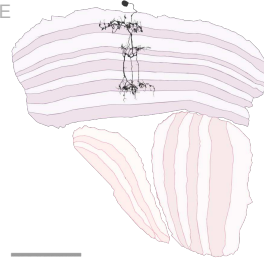
Mi10 222
E



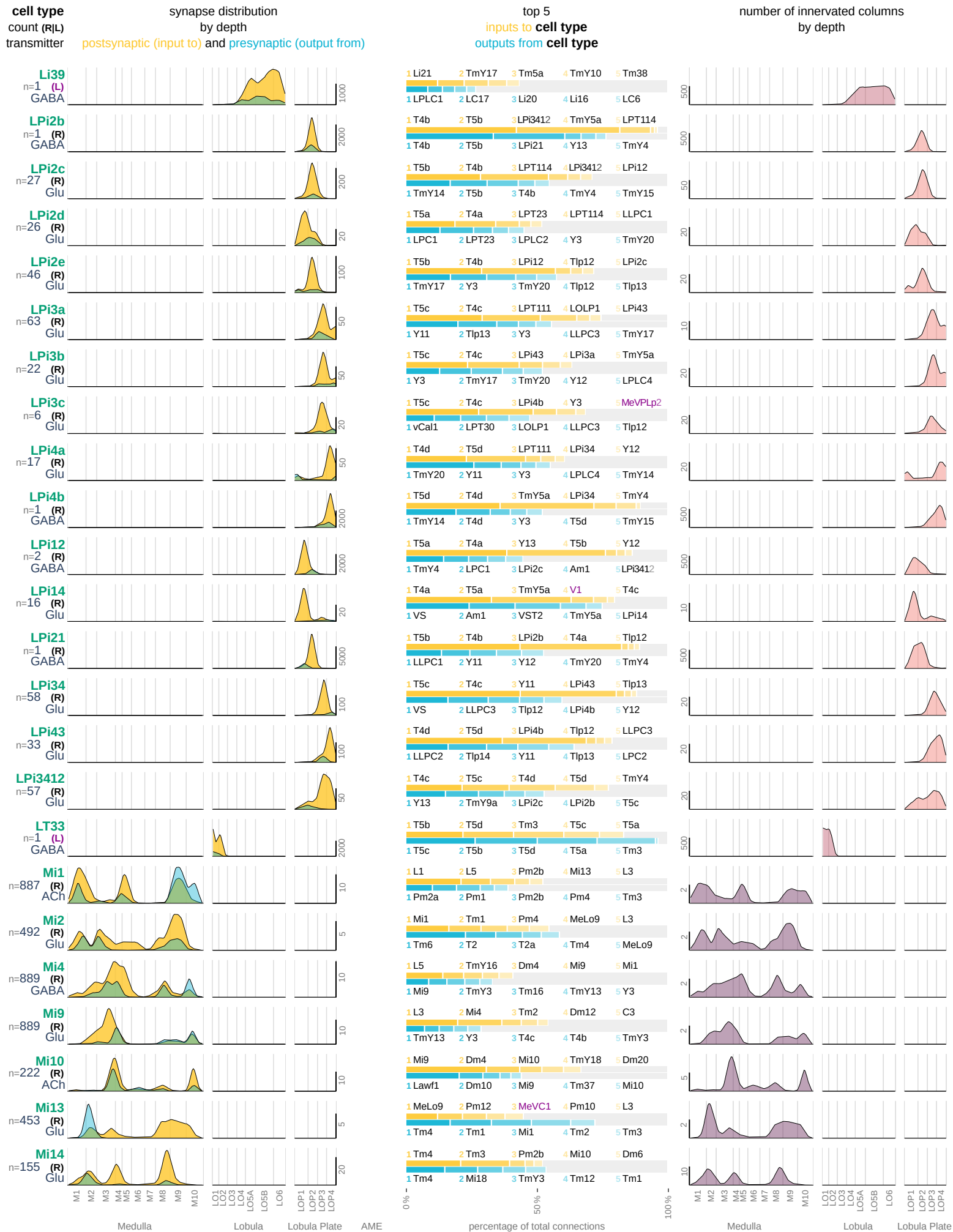
Mi13 453
E

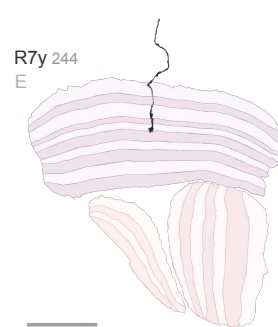
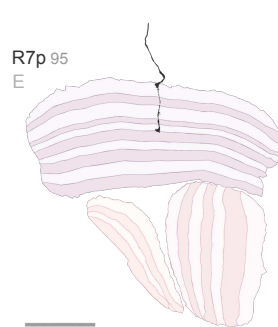
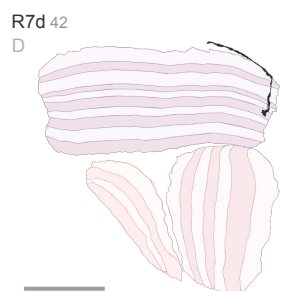
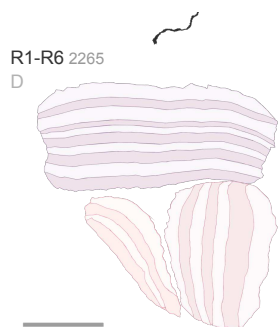
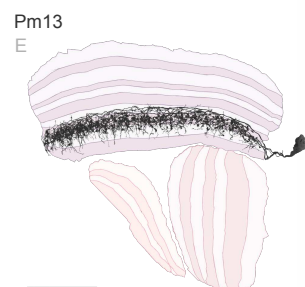
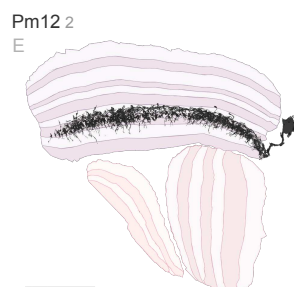
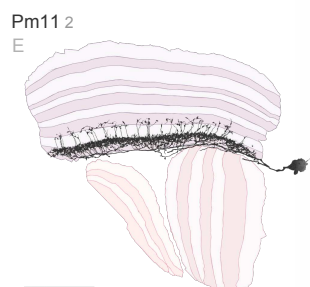
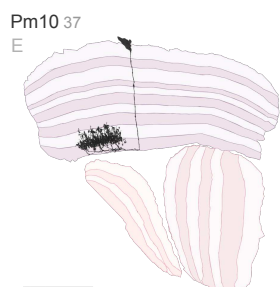
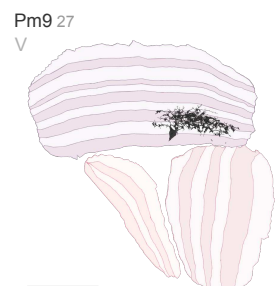
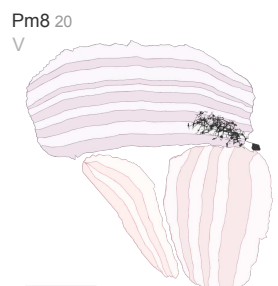
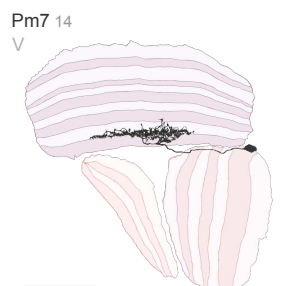
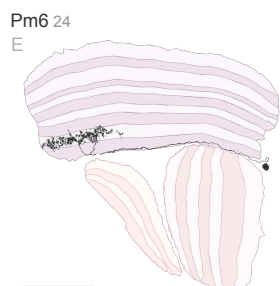
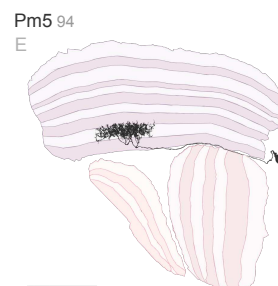
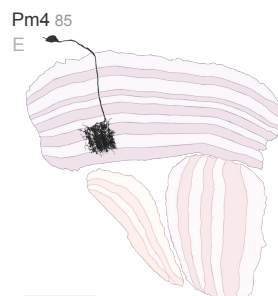
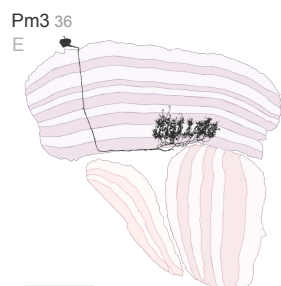
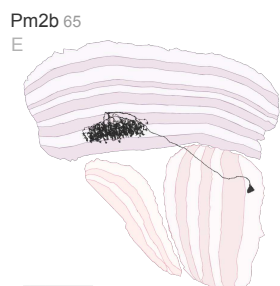
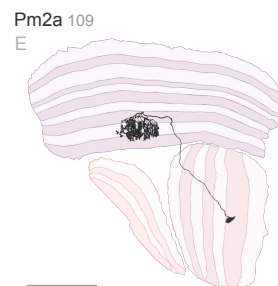
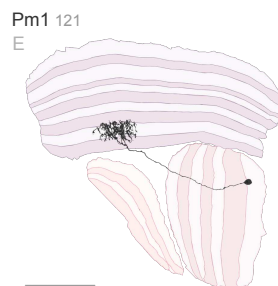
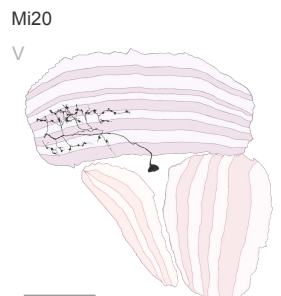
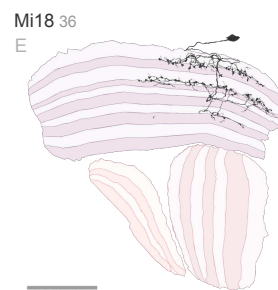
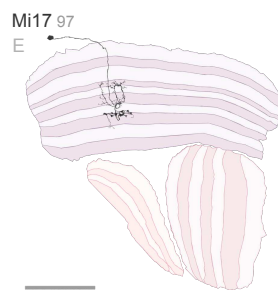
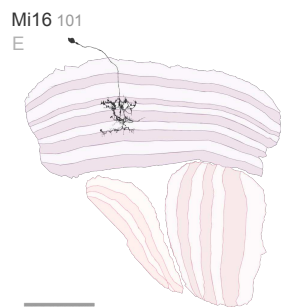
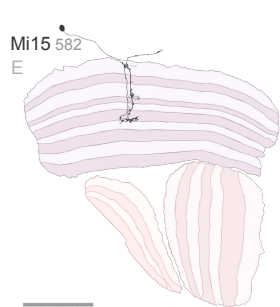


Mi14 155
E

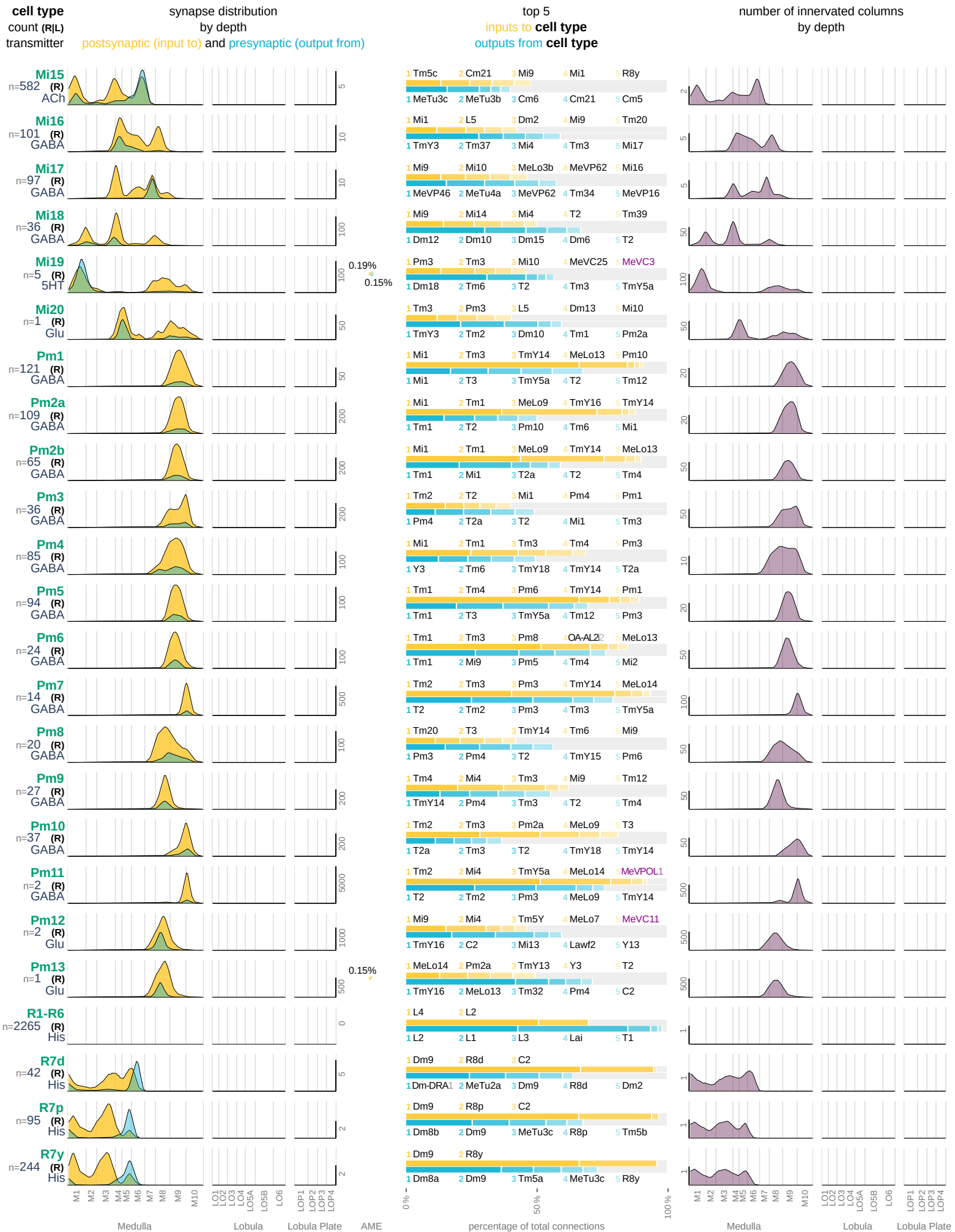


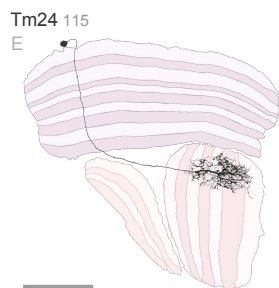
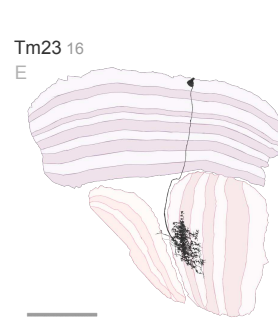
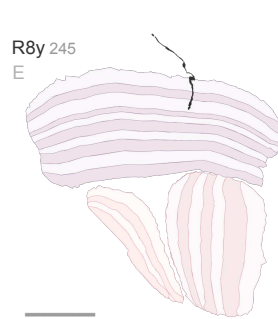
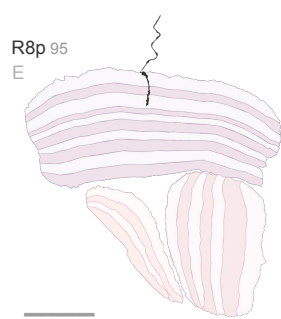
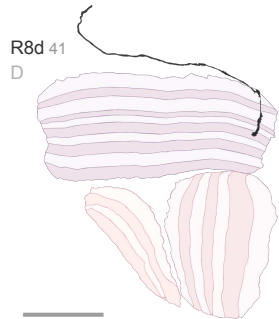
Optic Neuropil Intrinsic Neurons 5 / 7



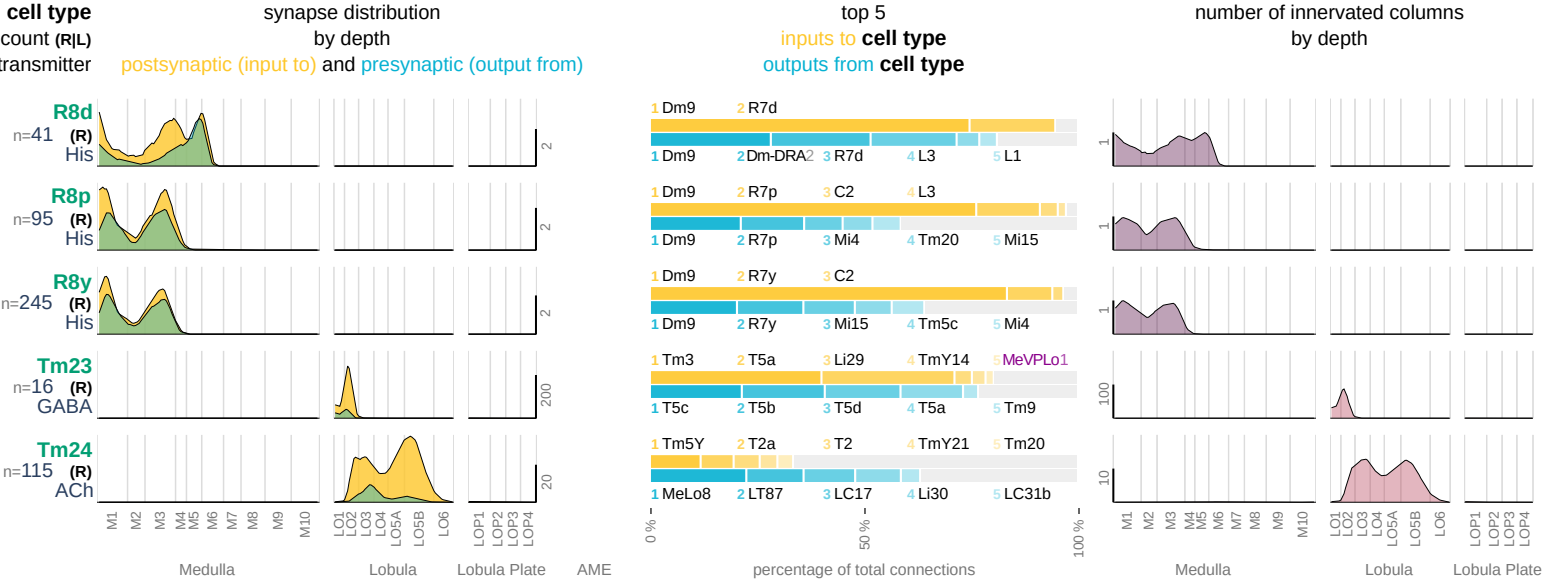


Optic Neuropil Intrinsic Neurons 6 / 7



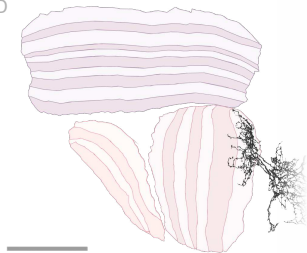


Optic Neuropil Intrinsic Neurons 7 / 7



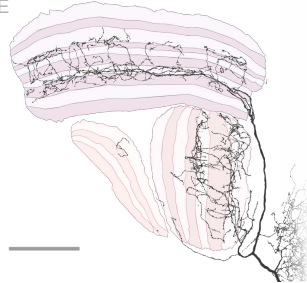
5-HTMPV01

D



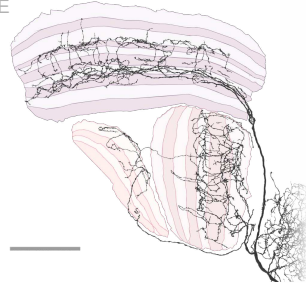
5-HTMPV03 (L)

E



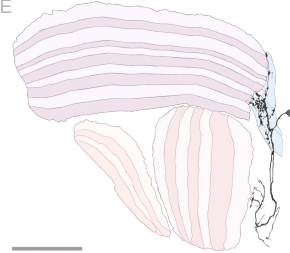
5-HTMPV03 (R)

E



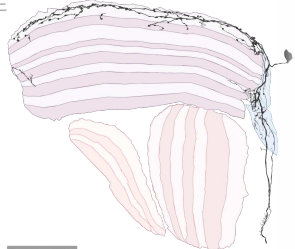
aMe2 4

E



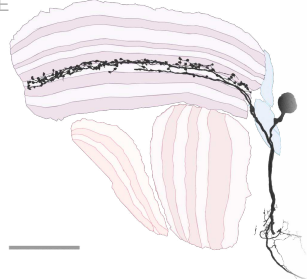
aMe4 9

E



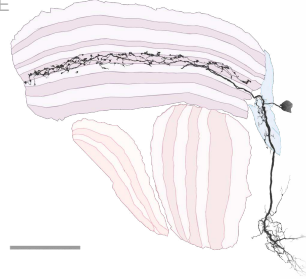
aMe17a

E



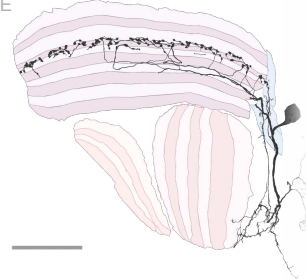
aMe17b 2

E



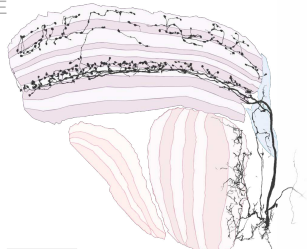
aMe17c 2

E



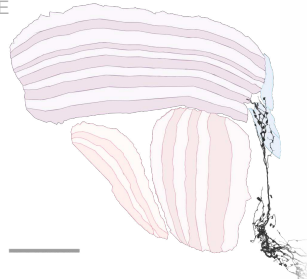
aMe17e

E



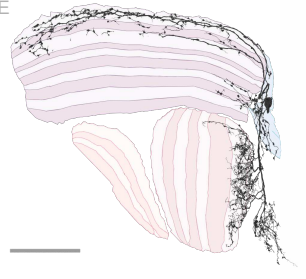
aMe22

E



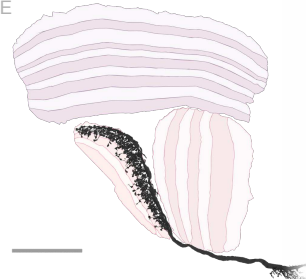
aMe30 2

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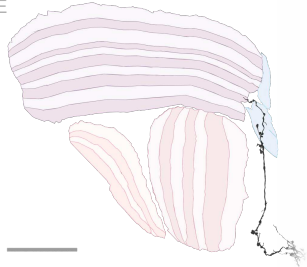
DCH

E



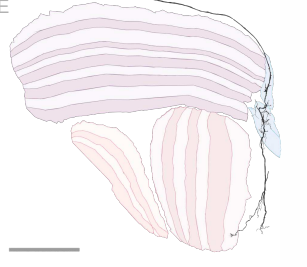
DN1a 2

E



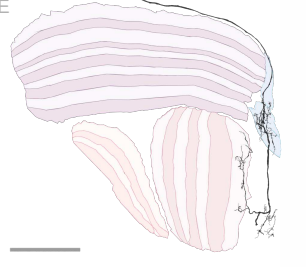
Lat1 4

E



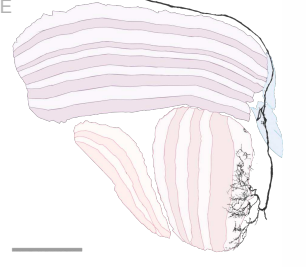
Lat2 2

E



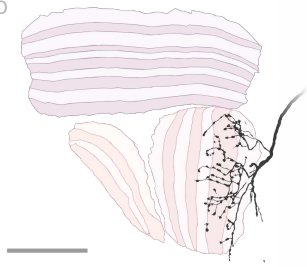
Lat5

E



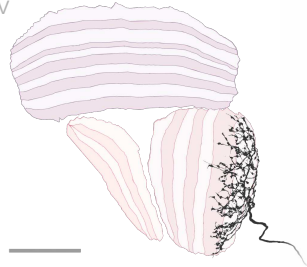
LoVC1

D



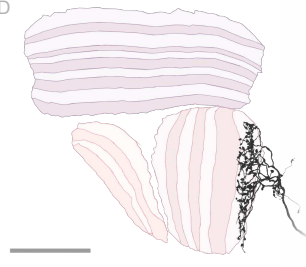
LoVC2

V



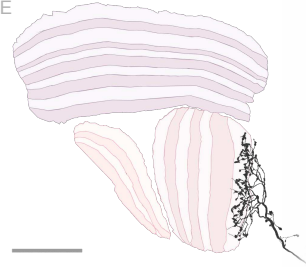
LoVC3

D



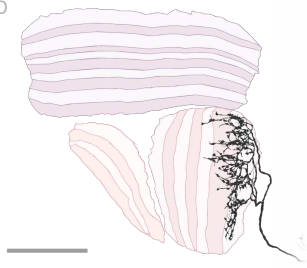
LoVC4

E



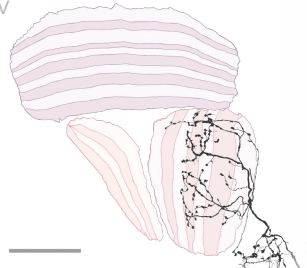
LoVC5

D



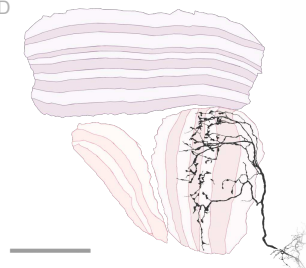
LoVC6

V



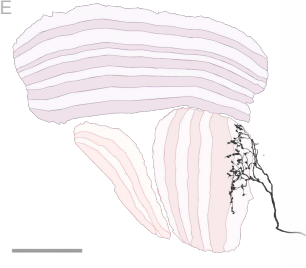
LoVC7

D

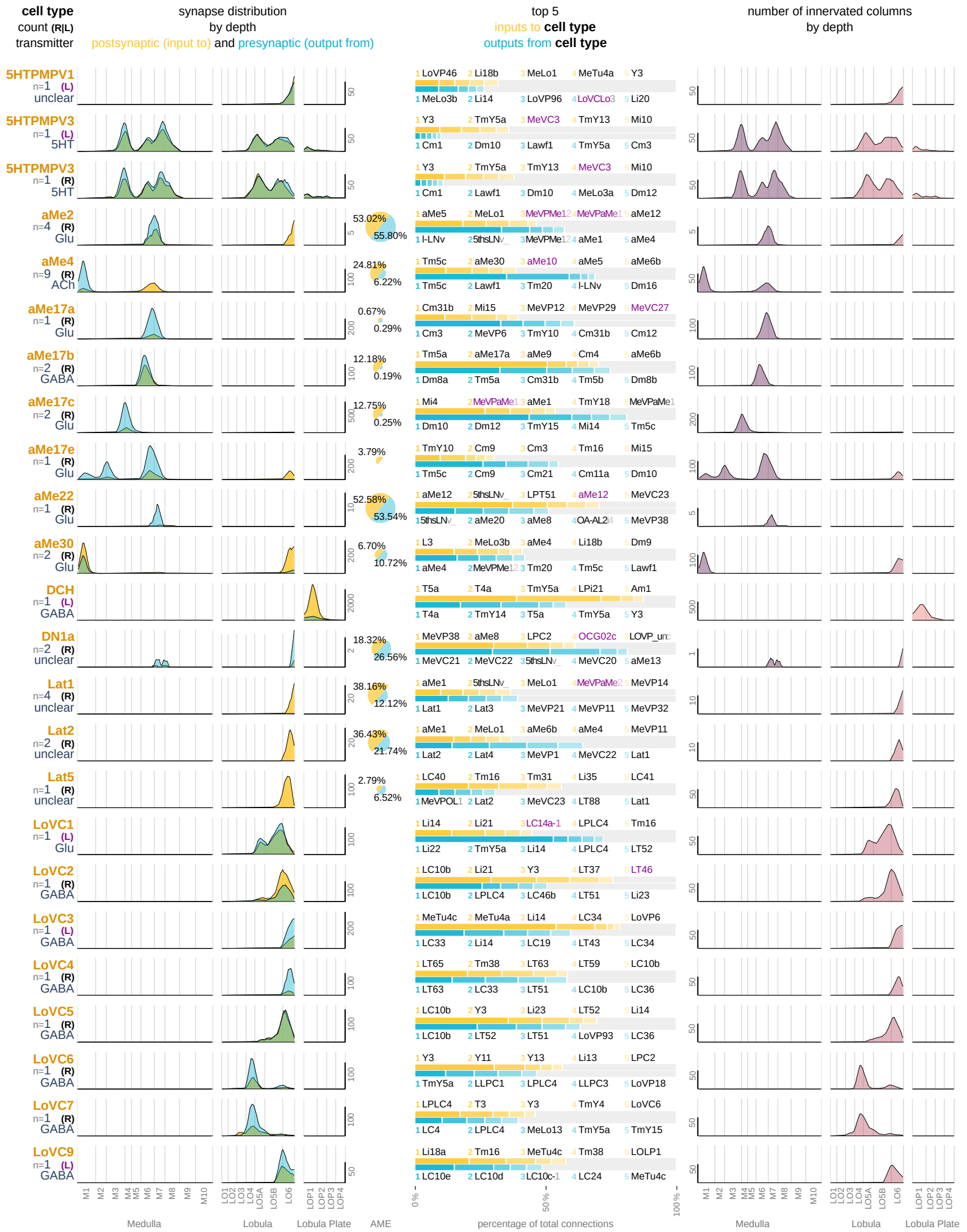


LoVC9

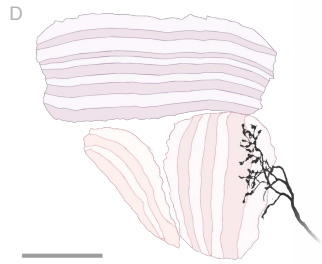
E



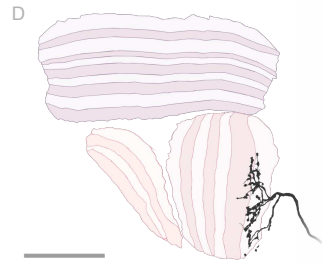
Visual Centrifugal Neurons 1 / 5



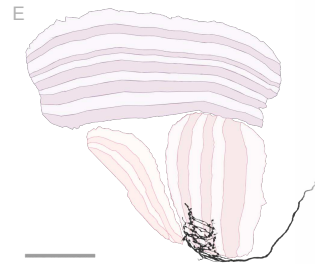
LoVC11



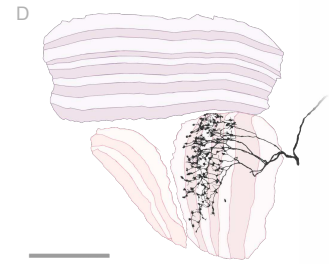
LoVC12



LoVC13



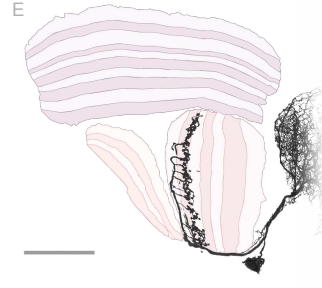
LoVC14



LoVC15 3



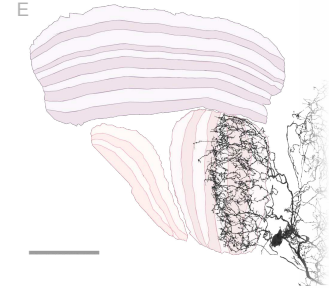
LoVC16 2



LoVC17 2



LoVC18 2



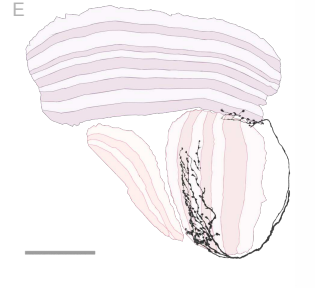
LoVC19 2



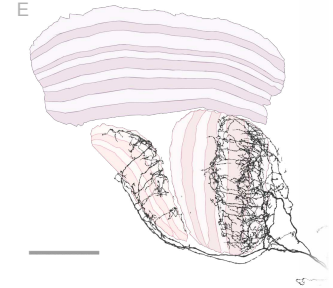
LoVC20



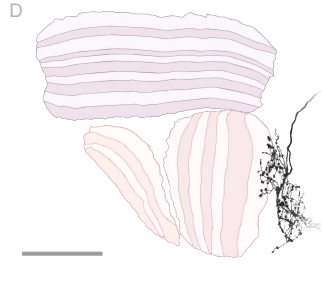
LoVC21



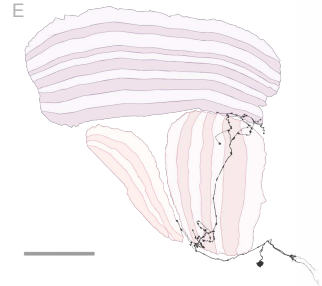
LoVC22 2



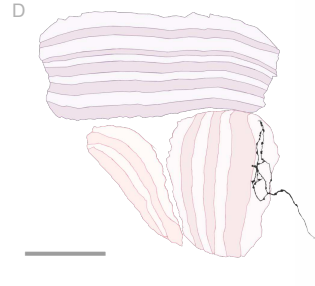
LoVC23 2



LoVC24 3



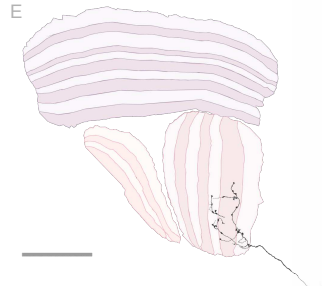
LoVC25 9



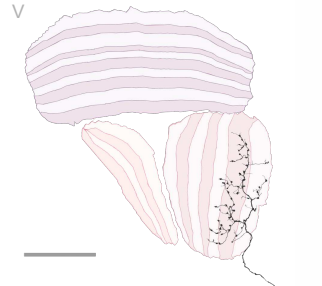
LoVC26 3



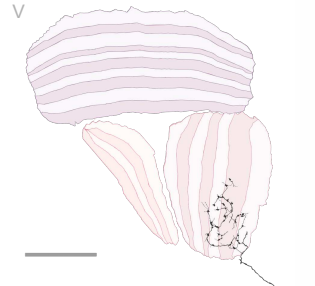
LoVC27 5



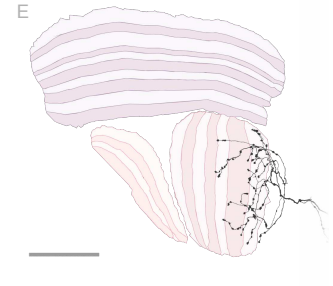
LoVC28 2



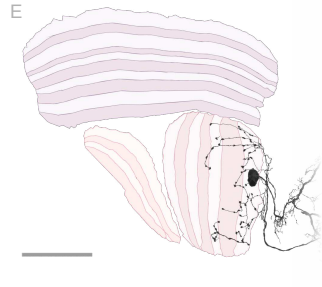
LoVC29 2



LoVCLo1 (L)



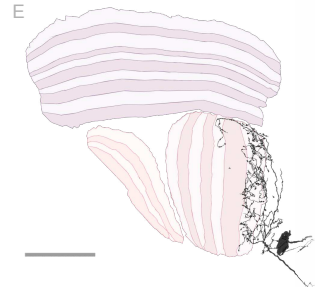
LoVCLo1 (R)



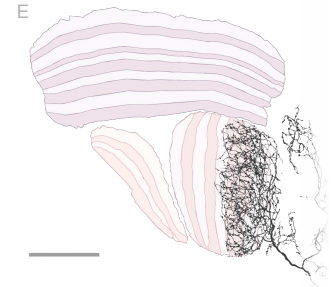
LoVCLo2 (L)



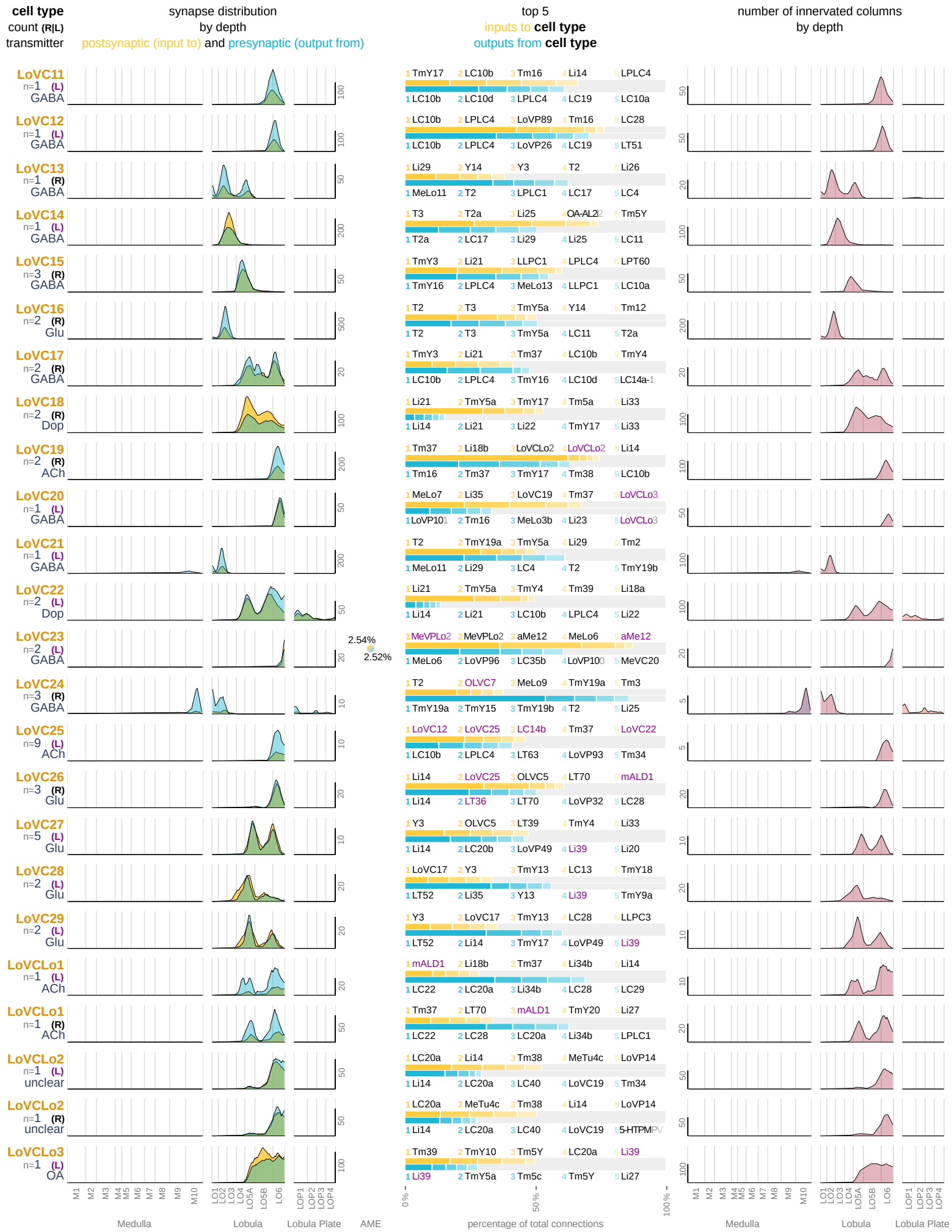
LoVCLo2 (R)



LoVCLo3 (L)



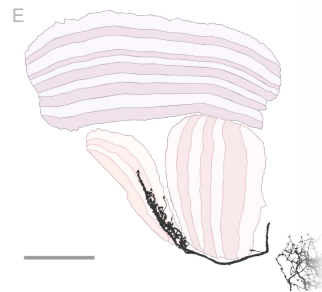
Visual Centrifugal Neurons 2 / 5



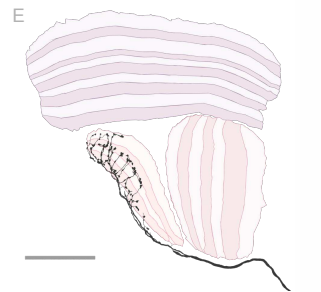
LoVCLo3 (R)



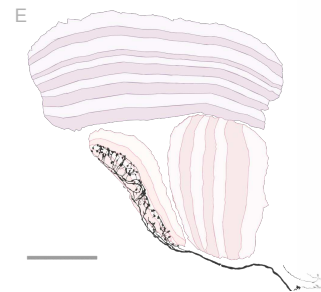
LPT53



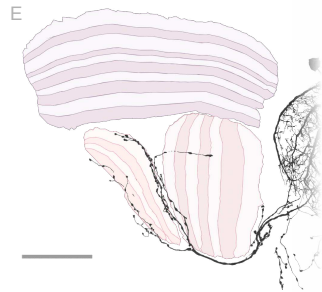
LPT57



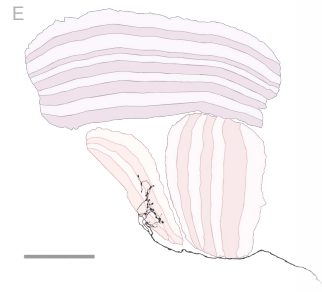
LPT59



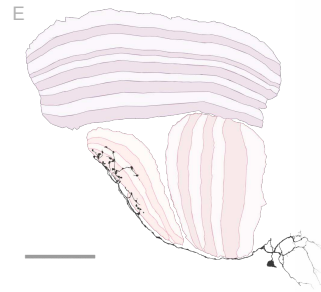
LPT60



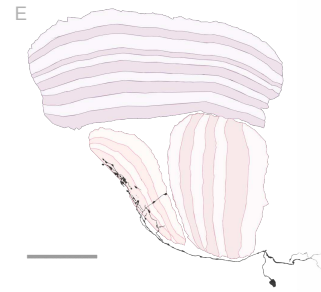
LPT110



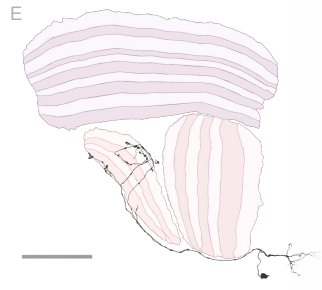
LPT111 51



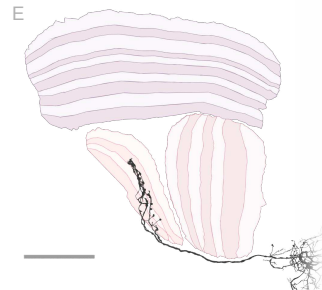
LPT112 20



LPT113 12



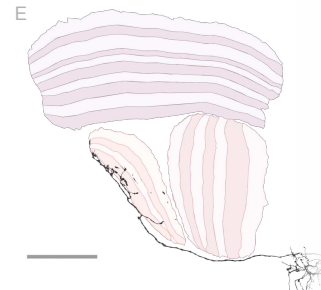
LPT114 11



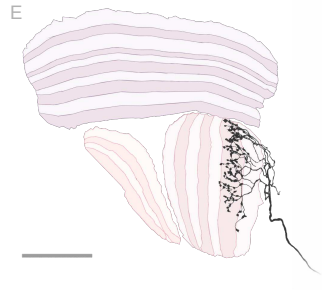
LPT115 3



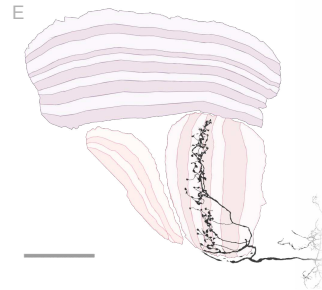
LPT116 5



LT34



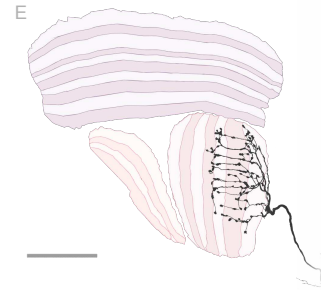
LT35



LT36



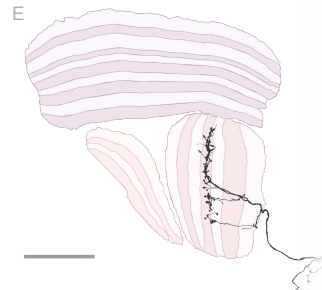
LT37



LT39



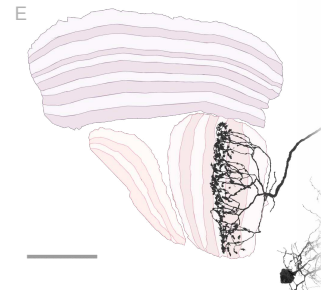
LT40



LT41



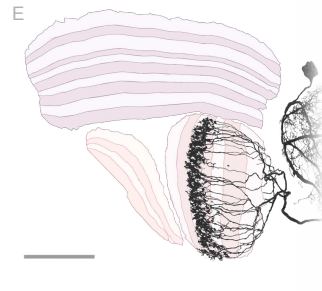
LT42



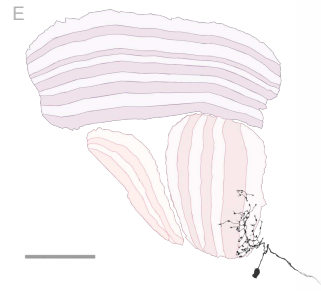
LT46



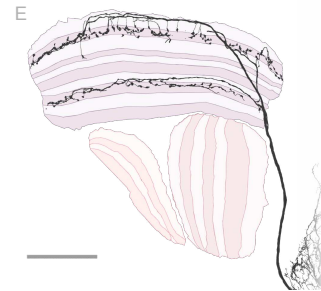
LT56



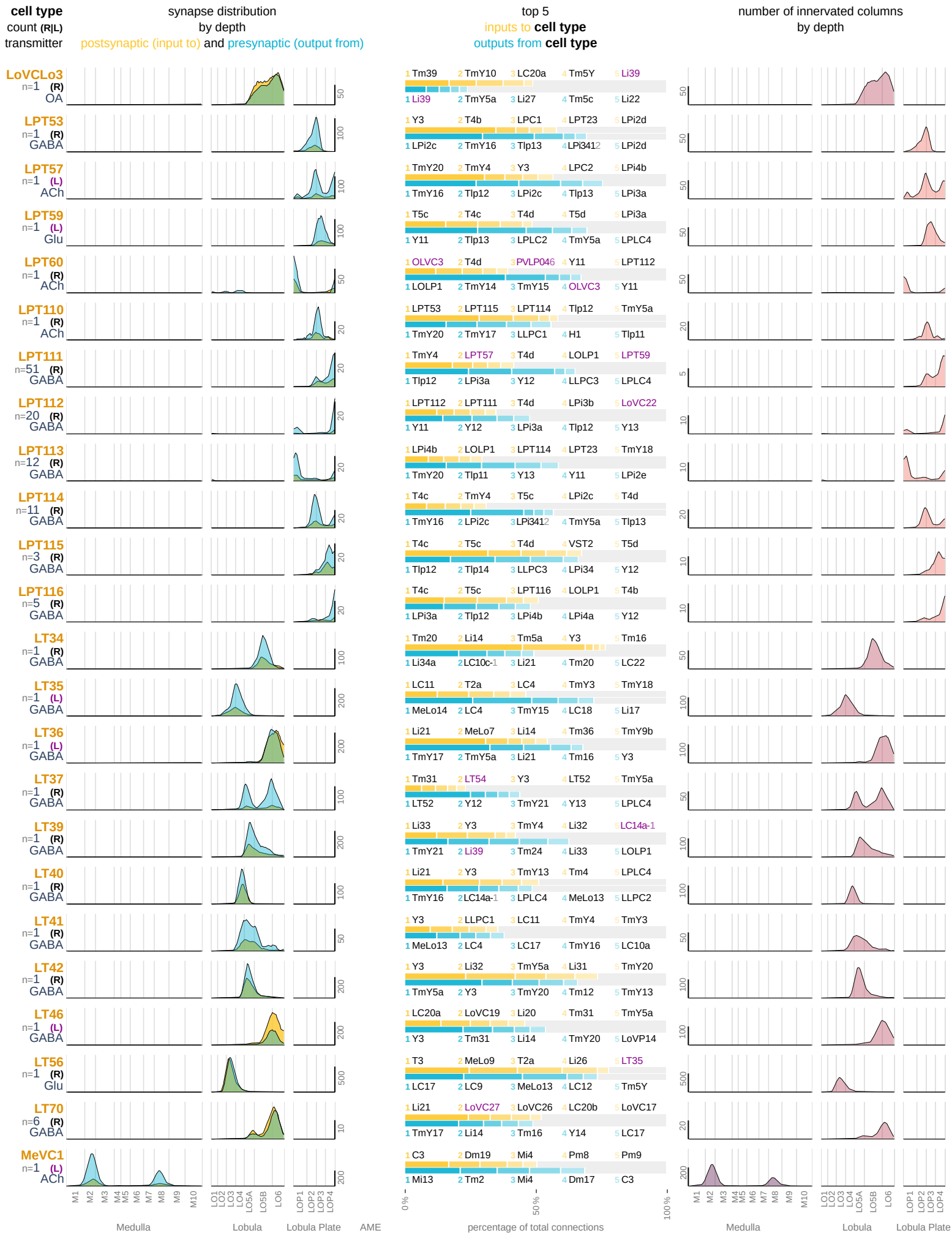
LT70 6



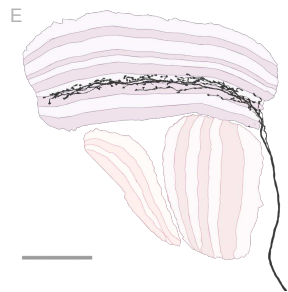
MeVC1



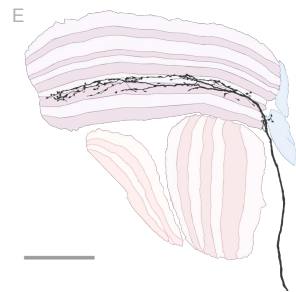
Visual Centrifugal Neurons 3/5



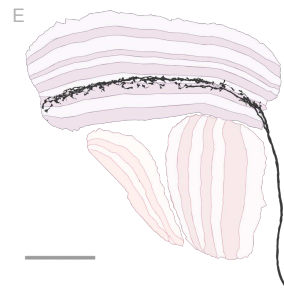
MeVC2



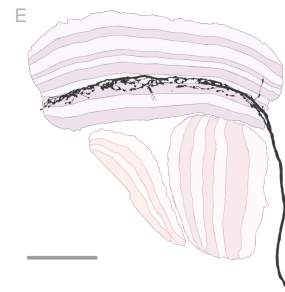
MeVC3



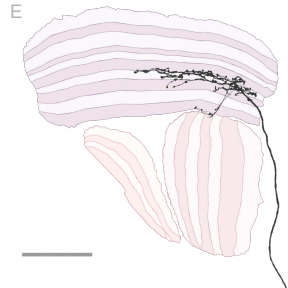
MeVC4a



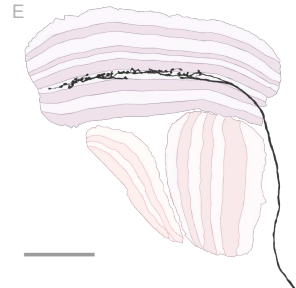
MeVC4b



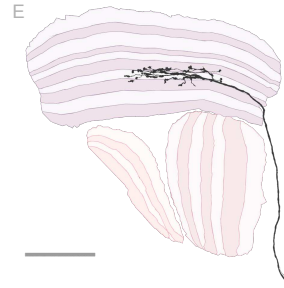
MeVC5



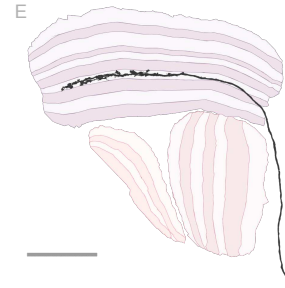
MeVC6



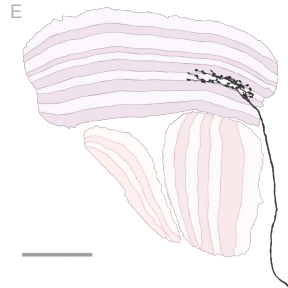
MeVC7a



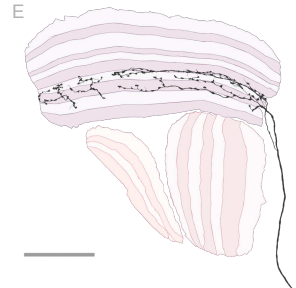
MeVC7b



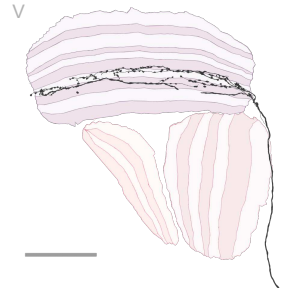
MeVC8



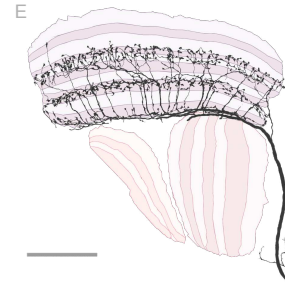
MeVC9



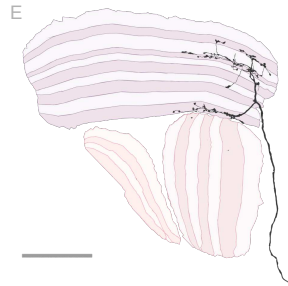
MeVC10



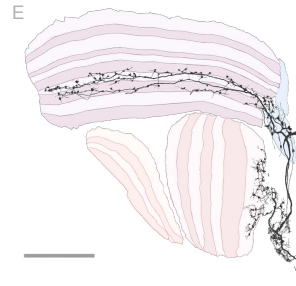
MeVC11



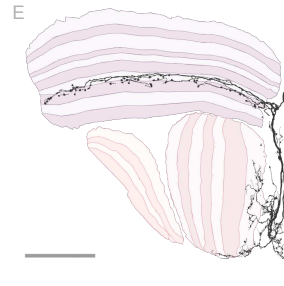
MeVC12



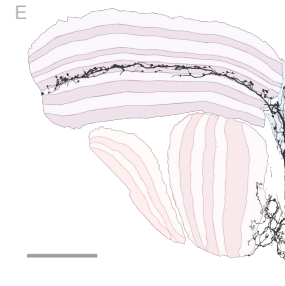
MeVC20 2



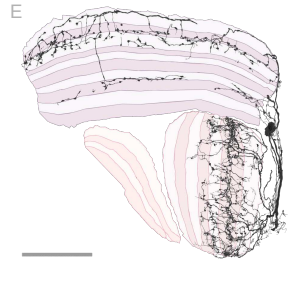
MeVC21 3



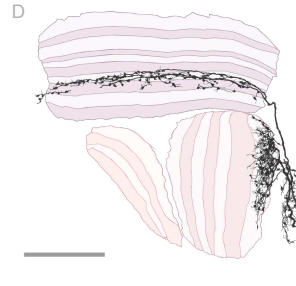
MeVC22 2



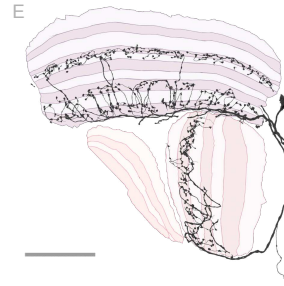
MeVC23



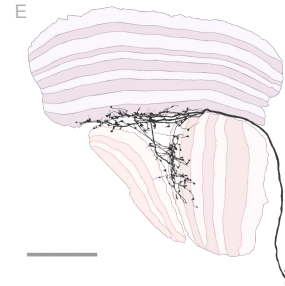
MeVC24



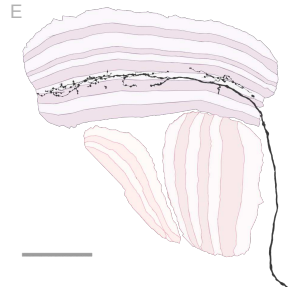
MeVC25



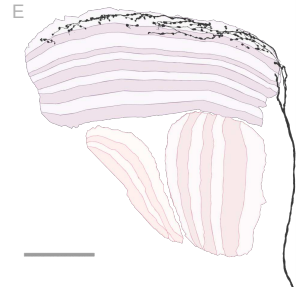
MeVC26



MeVC27 3



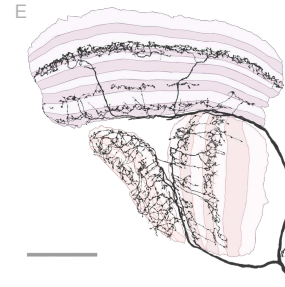
MeVCMe1 (L) 2



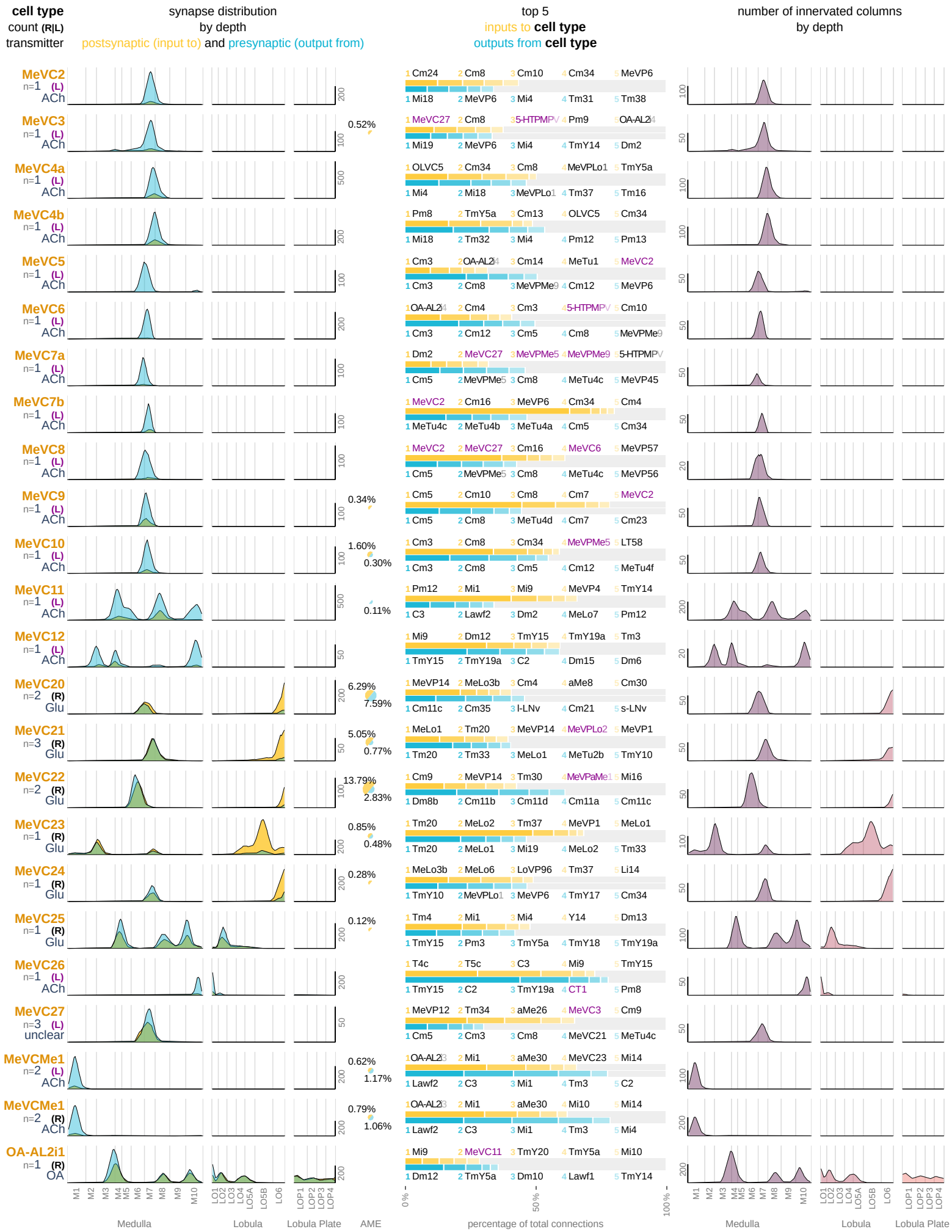
MeVCMe1 (R) 2



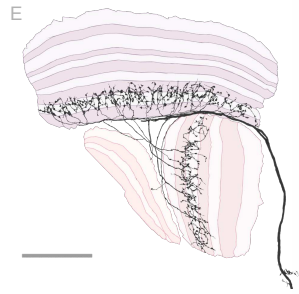
OA-AL2i1



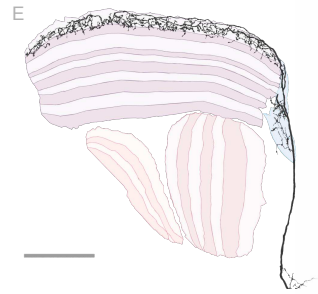
Visual Centrifugal Neurons 4 / 5



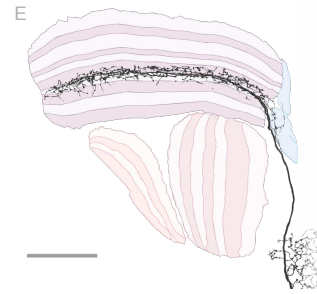
OA-AL2i2 2



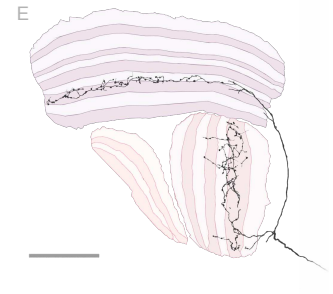
OA-AL2i3 2



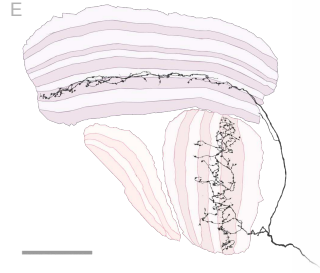
OA-AL2i4



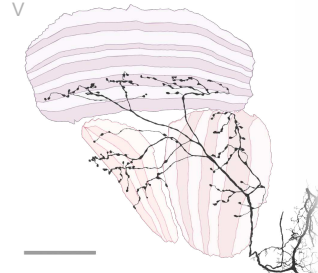
OA-ASM1 (L) 2



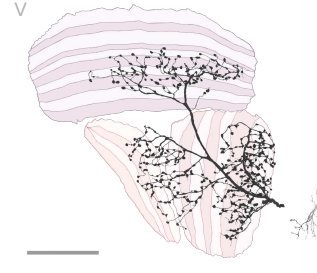
OA-ASM1 (R) 2



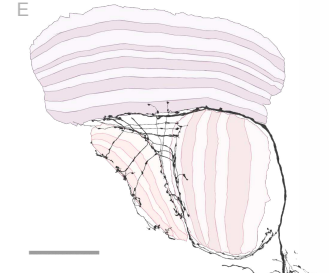
OLVC1



OLVC2



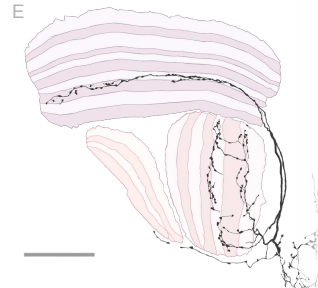
OLVC3



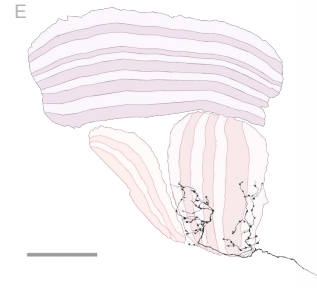
OLVC4



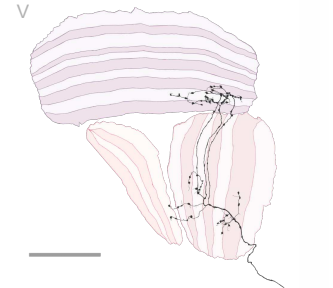
OLVC5



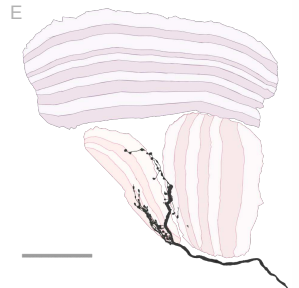
OLVC6



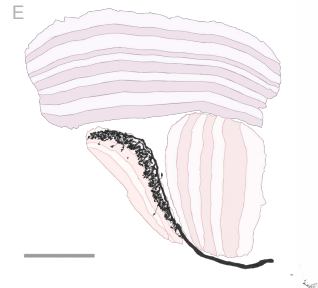
OLVC7 3



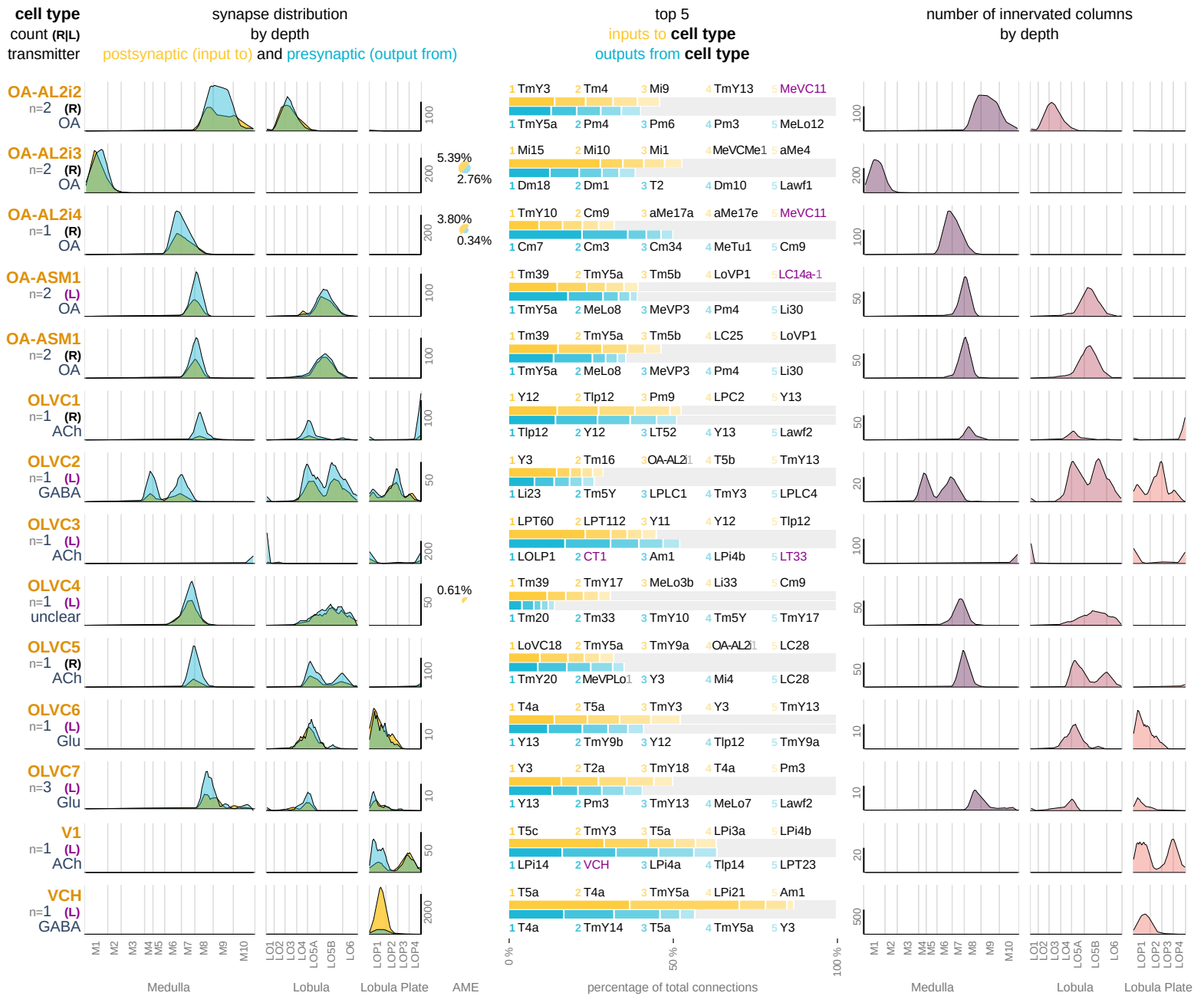
V1



VCH

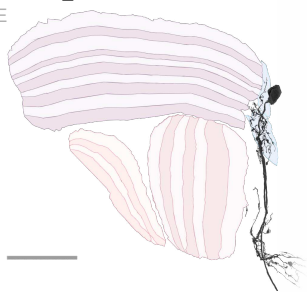


Visual Centrifugal Neurons 5 / 5



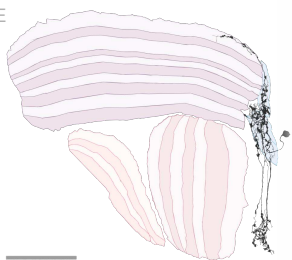
5thsLNv_LNd6 2

E



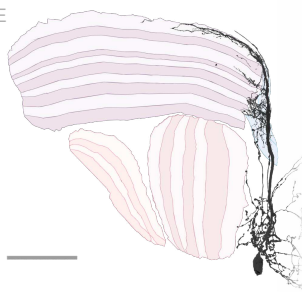
aMe1 2

E



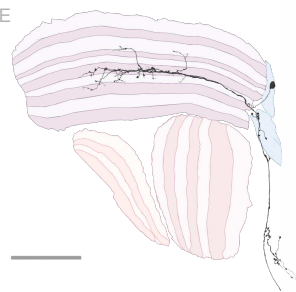
aMe3

E



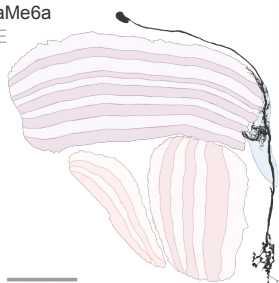
aMe5 17

E



aMe6a

E



aMe8 2

D



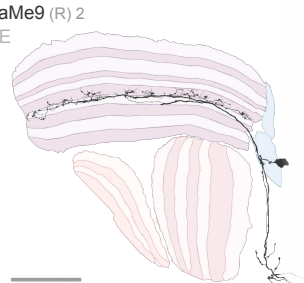
aMe9 (L) 2

E



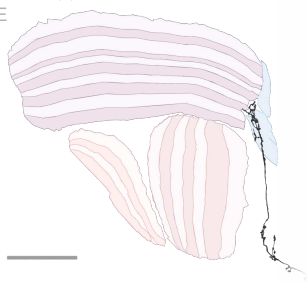
aMe9 (R) 2

E



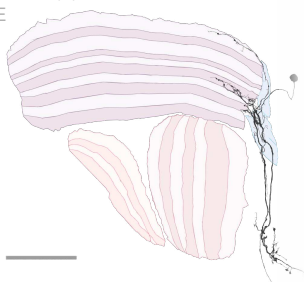
aMe10 (L)

E



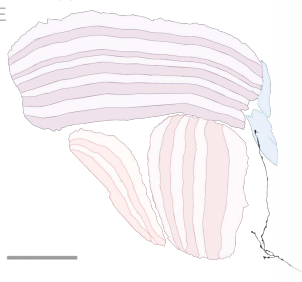
aMe10 (R) 2

E



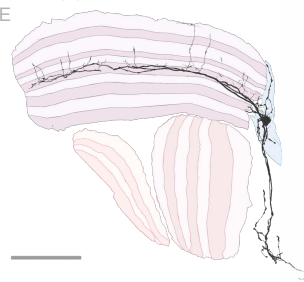
aMe12 (L) 4

E



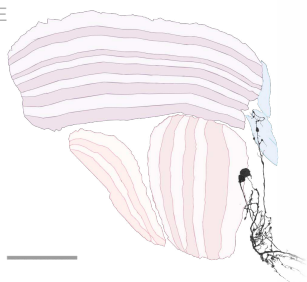
aMe12 (R) 2

E



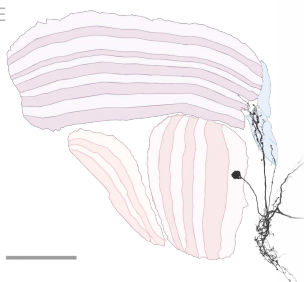
aMe13

E



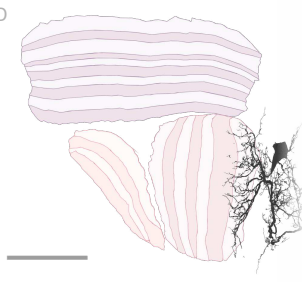
aMe15

E



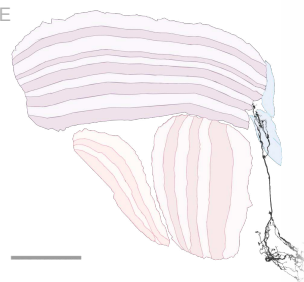
aMe20

D



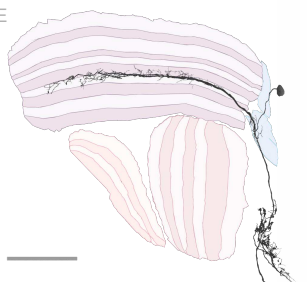
aMe23

E



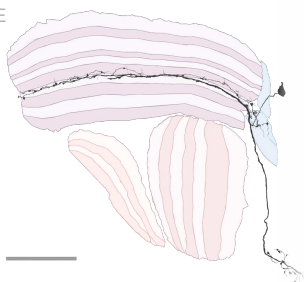
aMe25

E



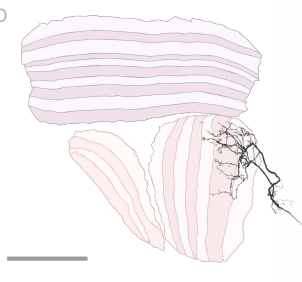
aMe26 3

E



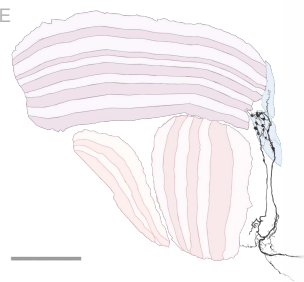
AOTU045

D



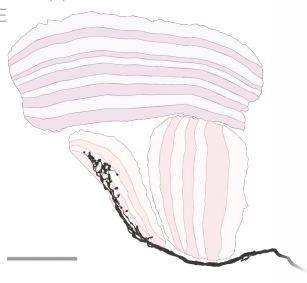
CL125 2

E



dCal1 (L)

E



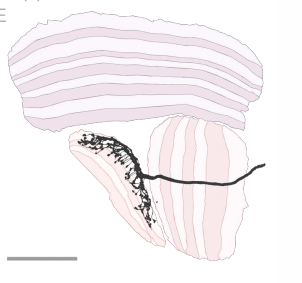
dCal1 (R)

E



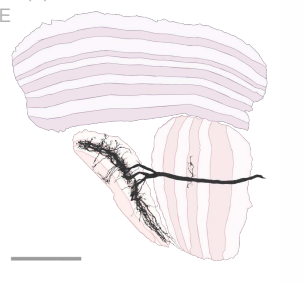
H1 (L)

E

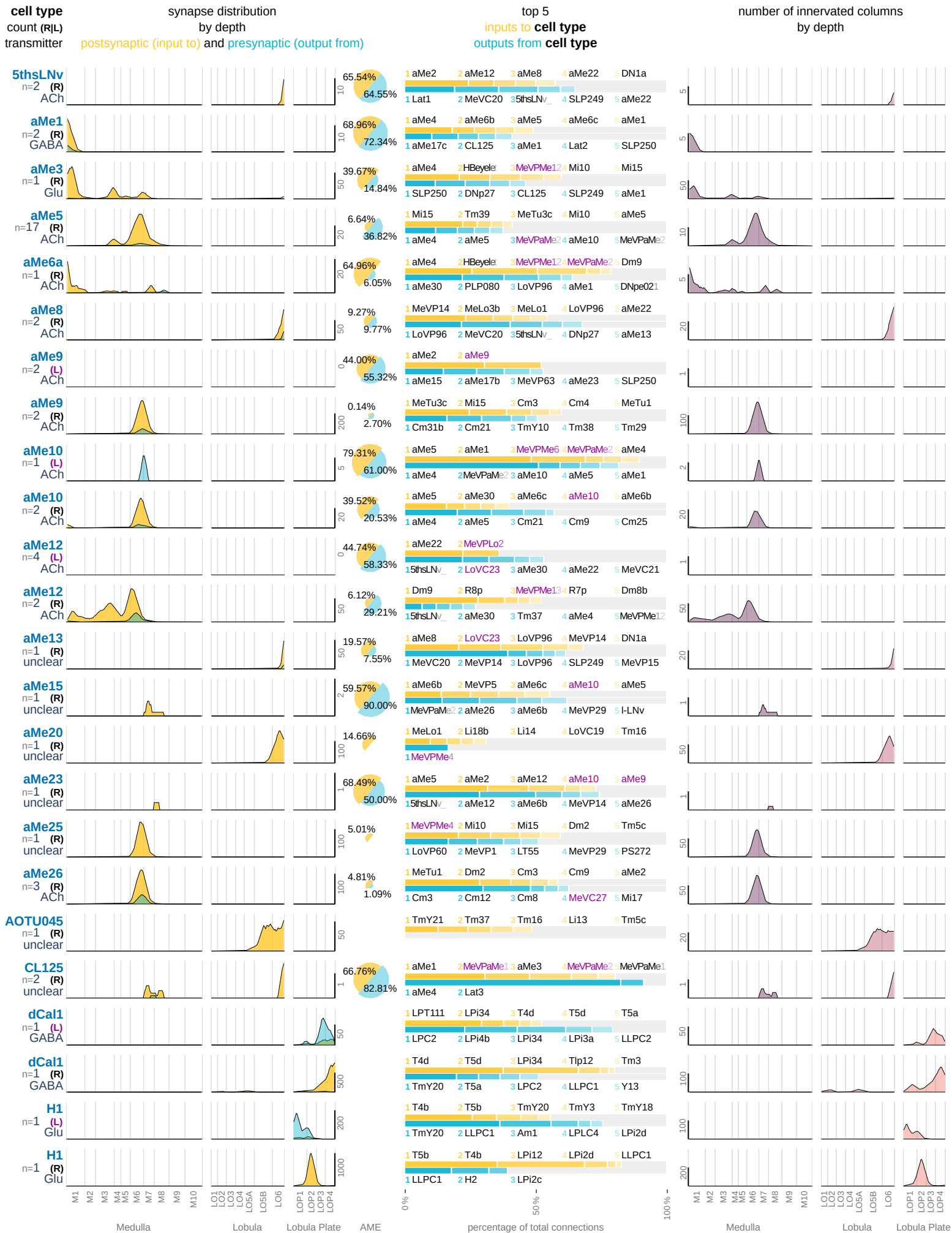


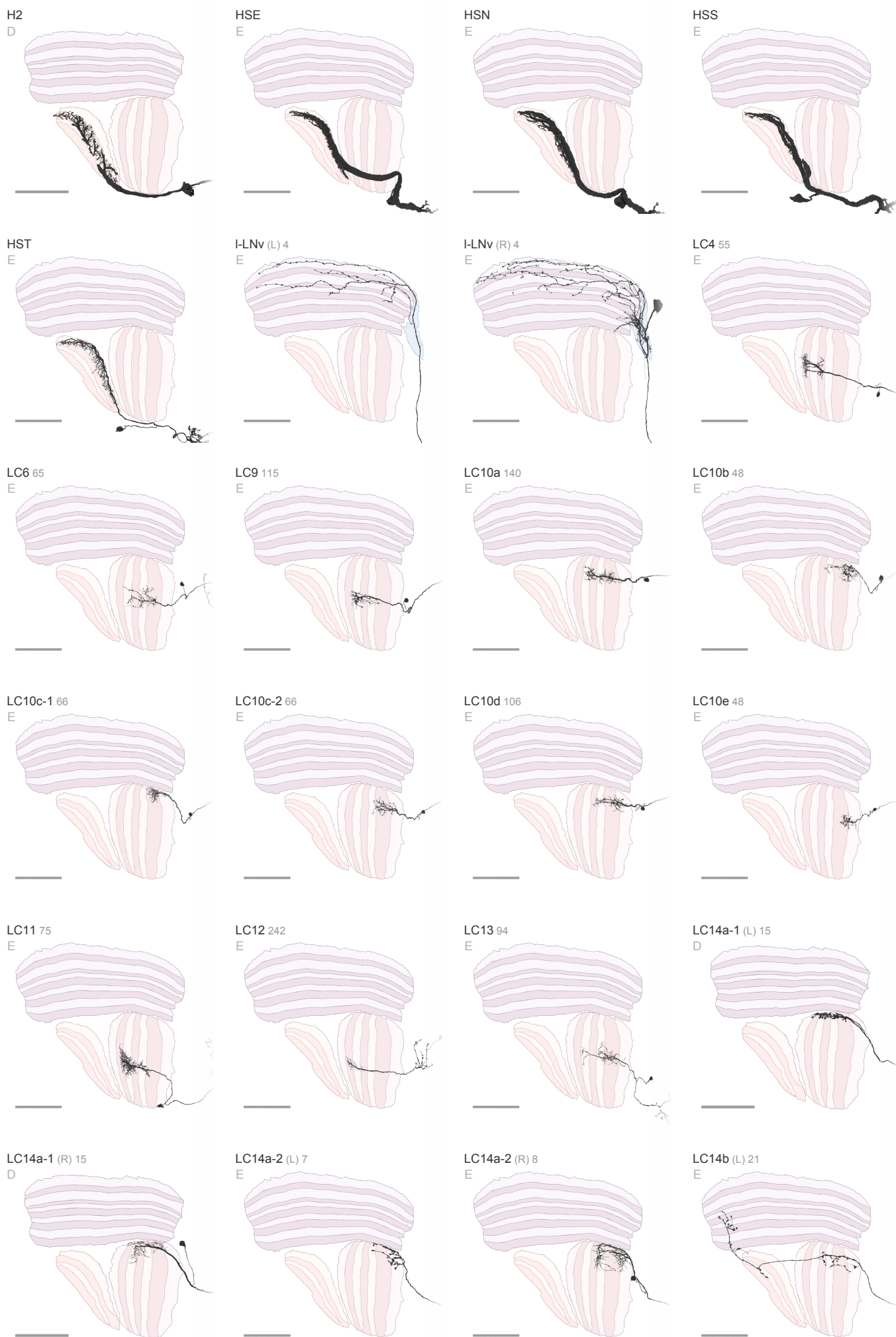
H1 (R)

E

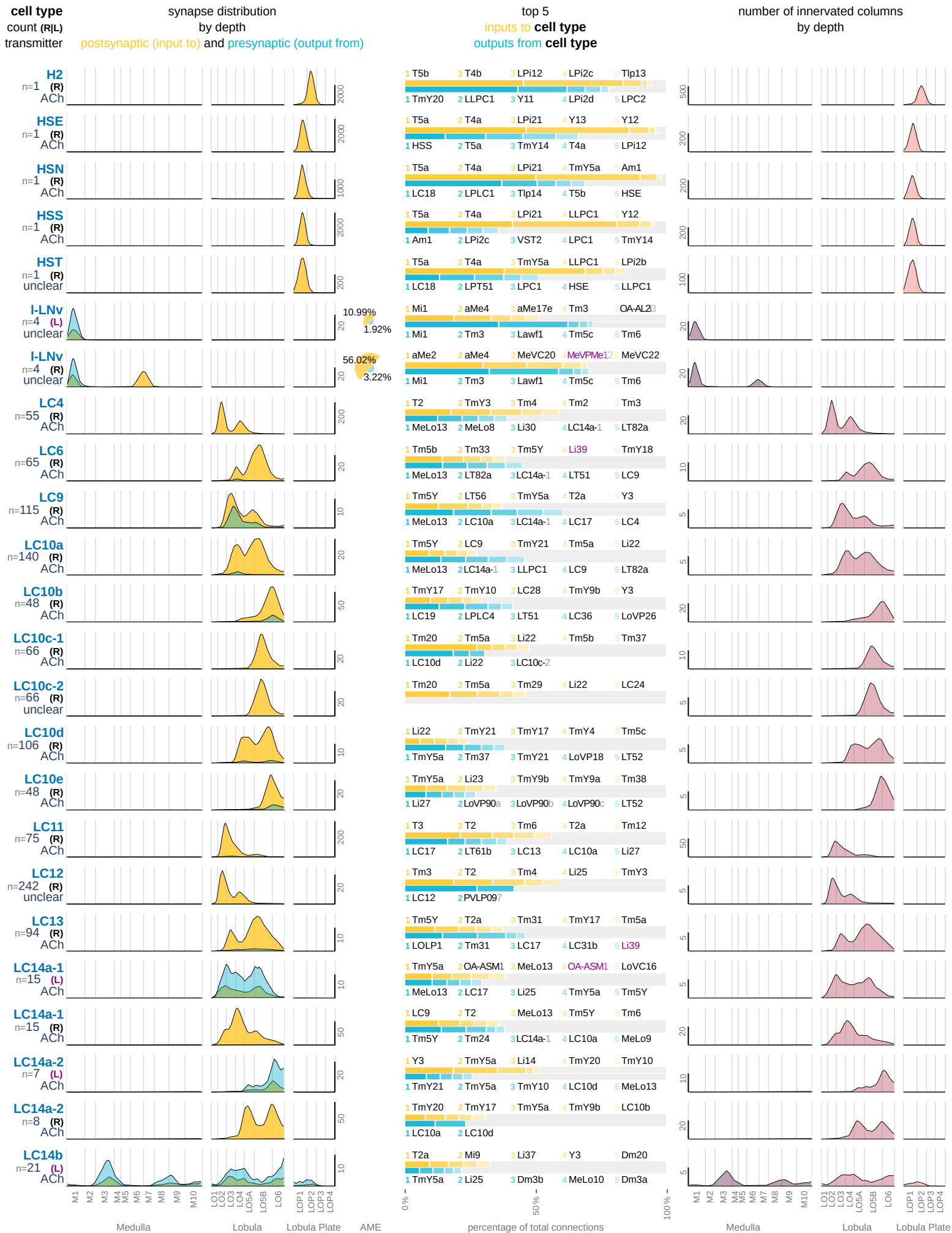


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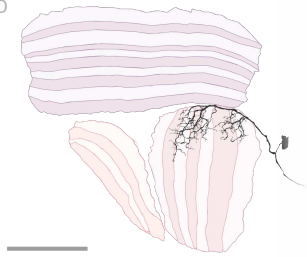


Visual Projection Neurons 2 / 17



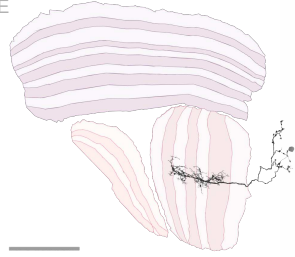
LC14b (R) 22

D



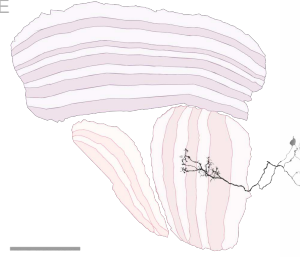
LC15 65

E



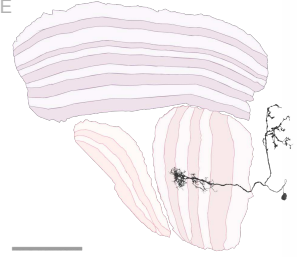
LC16 94

E



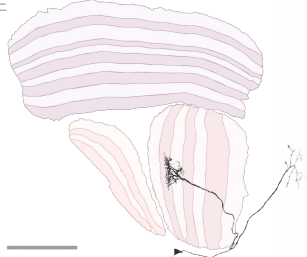
LC17 175

E



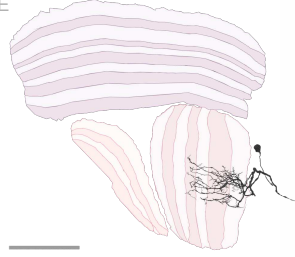
LC18 104

E



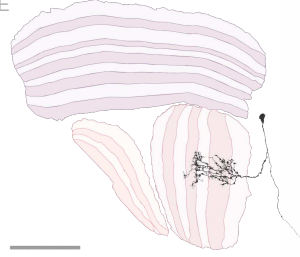
LC19 8

E



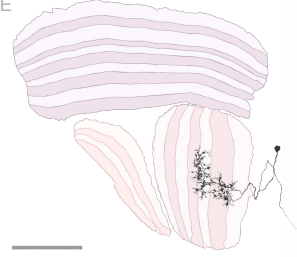
LC20a 30

E



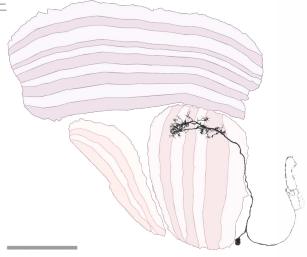
LC20b 40

E



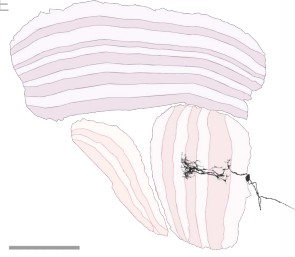
LC21 78

E



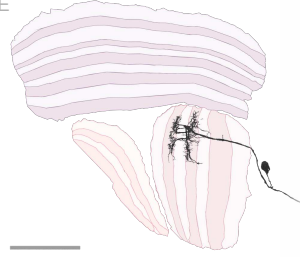
LC22 35

E



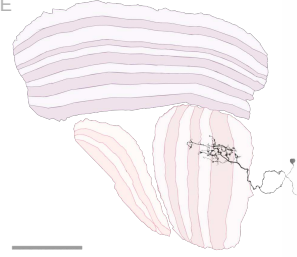
LC23 6

E



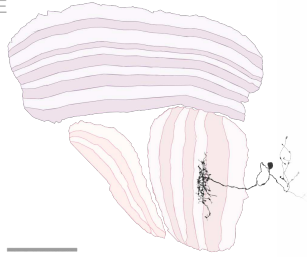
LC24 54

E



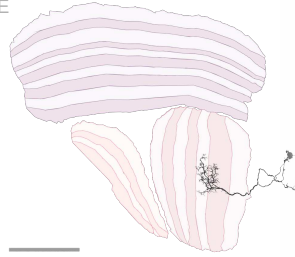
LC25 27

E



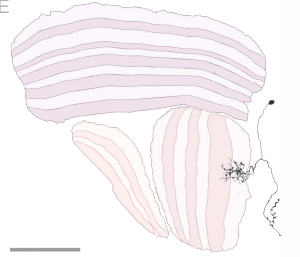
LC26 37

E



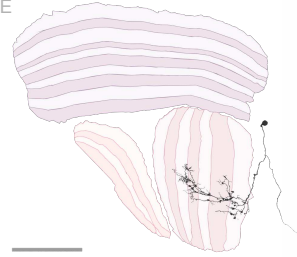
LC27 23

E



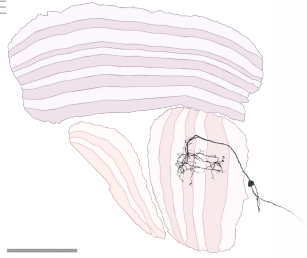
LC28 31

E



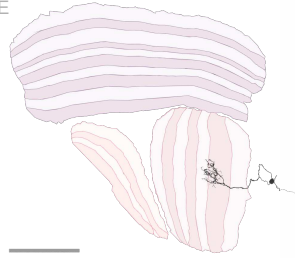
LC29 19

E



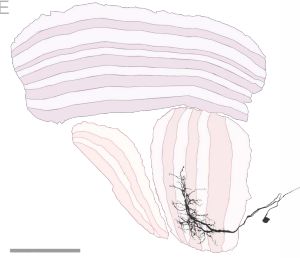
LC30 30

E



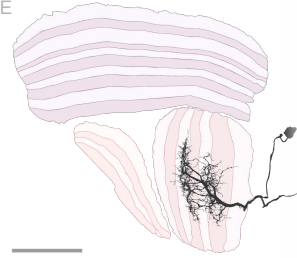
LC31a 16

E



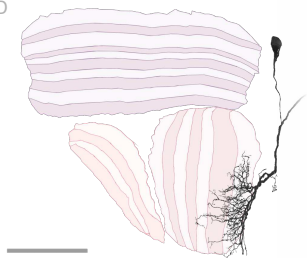
LC31b 6

E



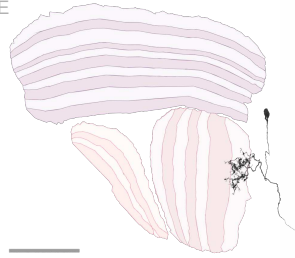
LC33 16

D



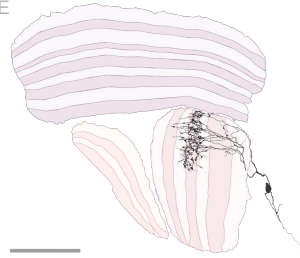
LC34 6

E



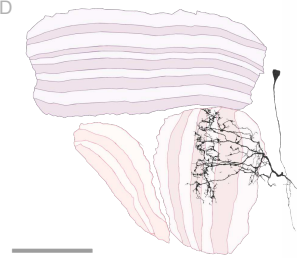
LC35a 5

E

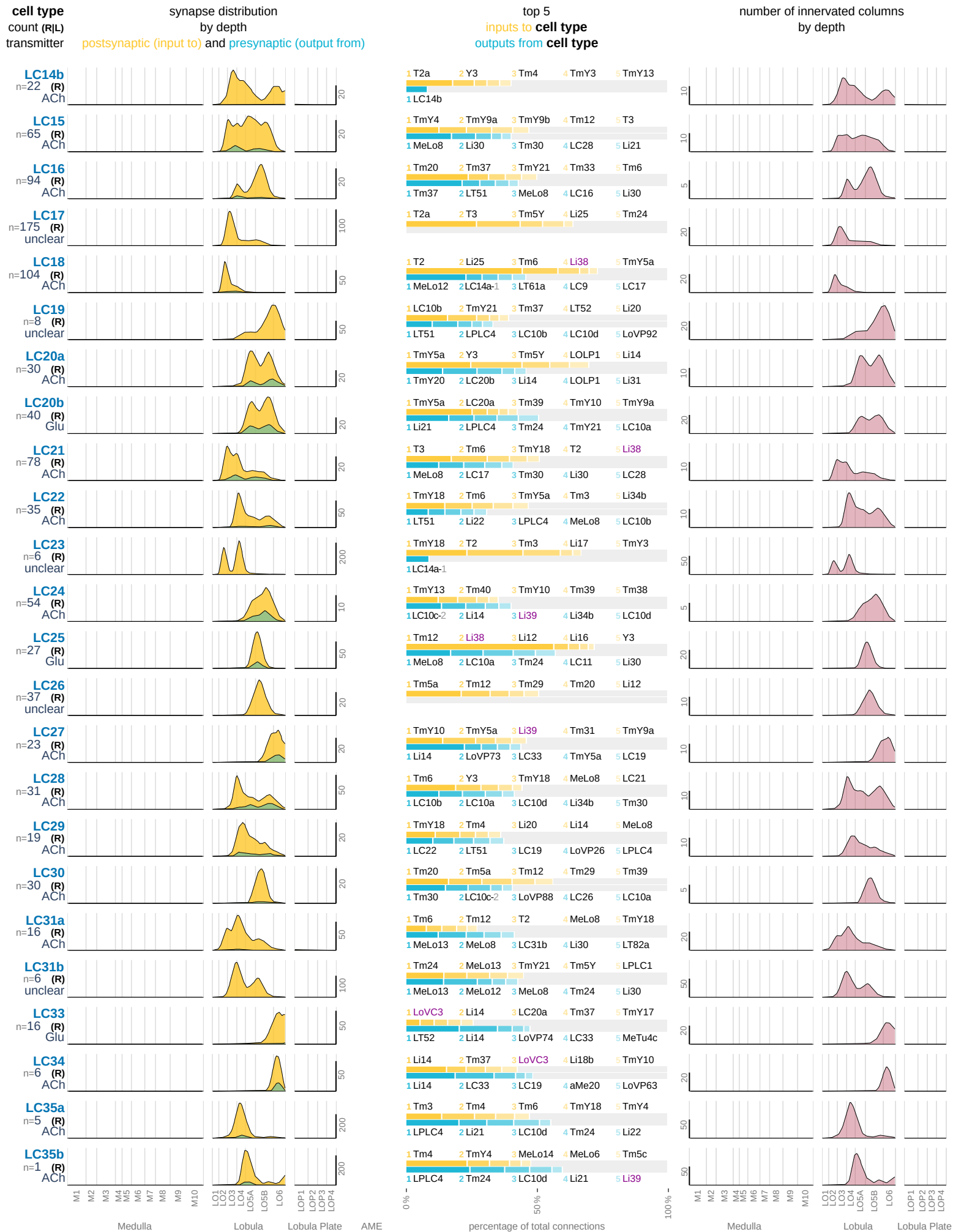


LC35b

D

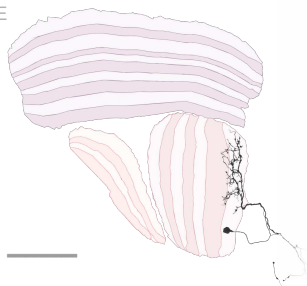


Visual Projection Neurons 3 / 17



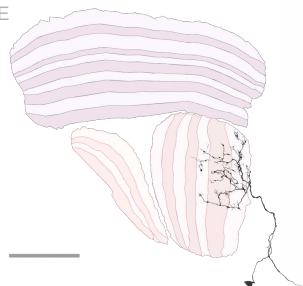
LC36 16

E



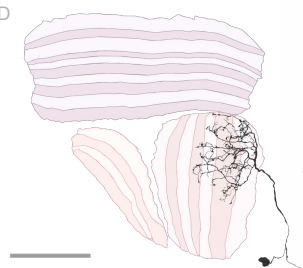
LC37 8

E



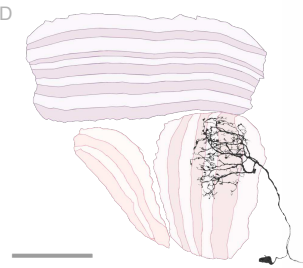
LC39a 3

D



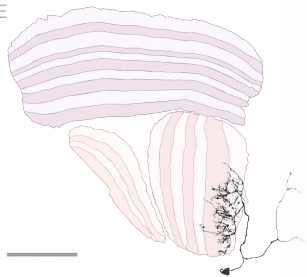
LC39b

D



LC40 15

E



LC41 6

E



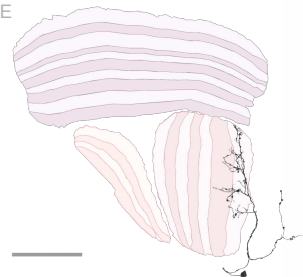
LC43 6

E



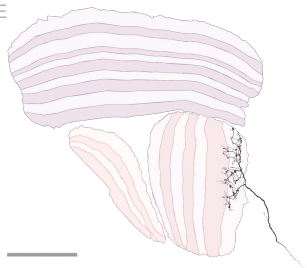
LC44 3

E



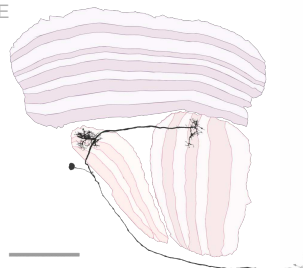
LC46b 5

E



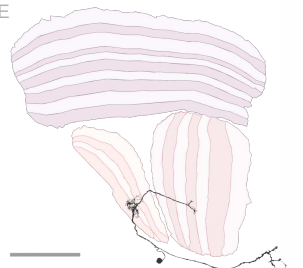
LLPC1 142

E



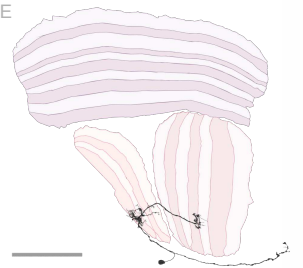
LLPC2 125

E



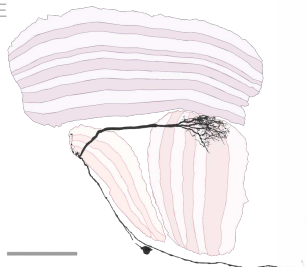
LLPC3 112

E



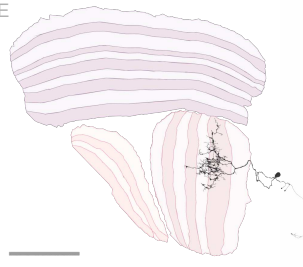
LLPC4 3

E



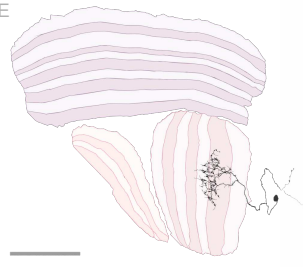
LoVP1 27

E



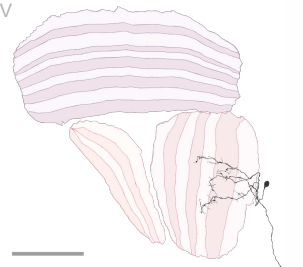
LoVP2 23

E



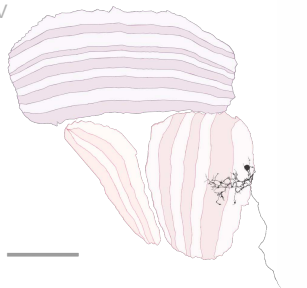
LoVP3 6

V



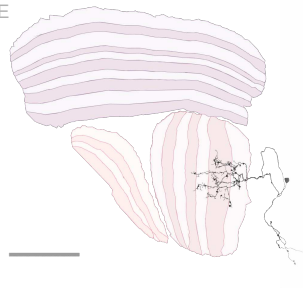
LoVP4 5

V



LoVP5 12

E



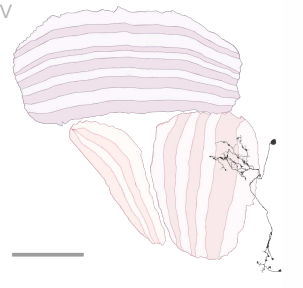
LoVP6 11

E



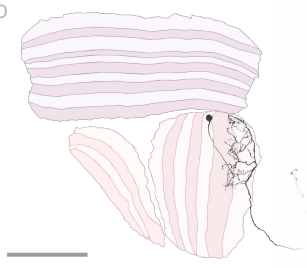
LoVP7 12

V



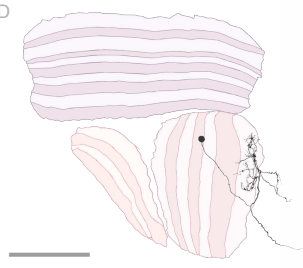
LoVP8 9

D



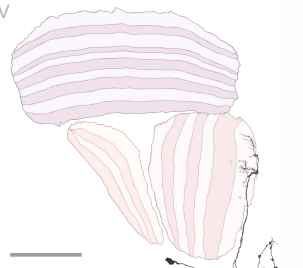
LoVP9 6

D



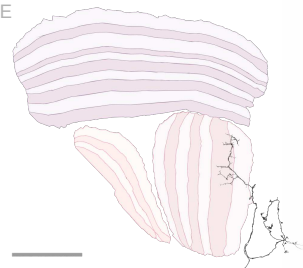
LoVP10 9

V

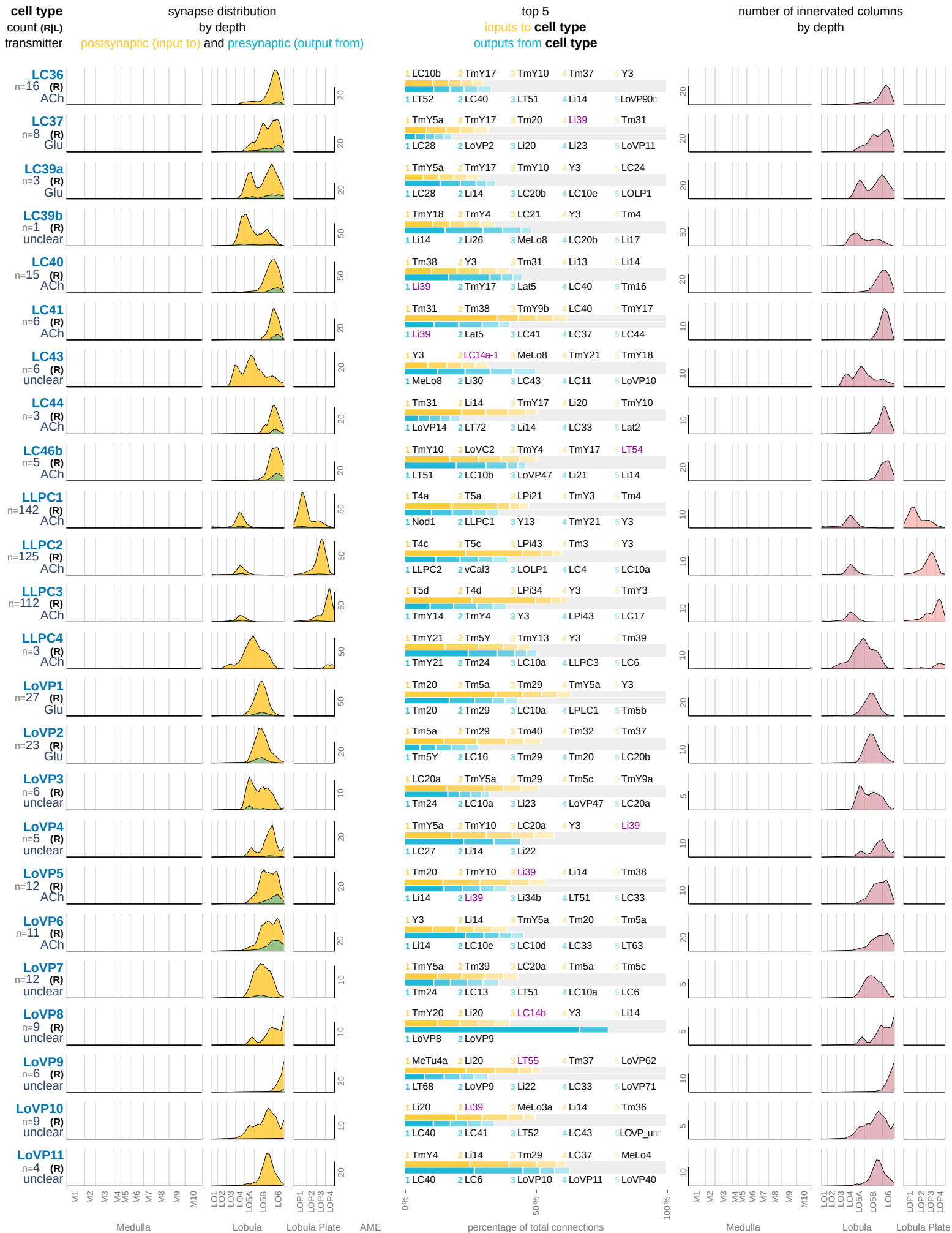


LoVP11 4

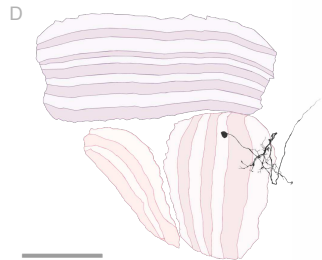
E



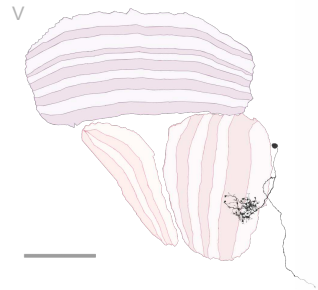
Visual Projection Neurons 4 / 17



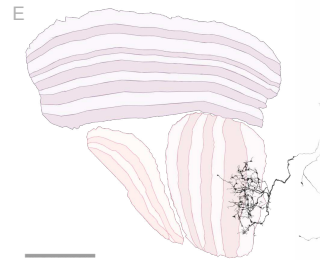
LoVP12 19



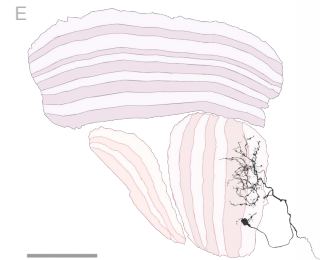
LoVP13 24



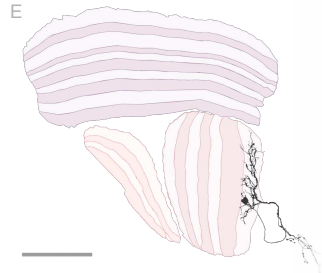
LoVP14 9



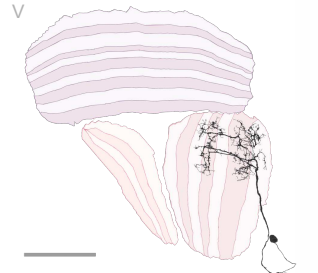
LoVP16 5



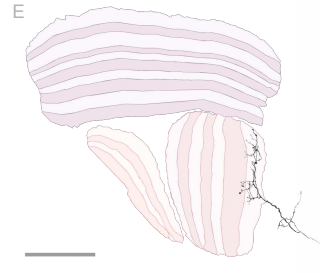
LoVP17 4



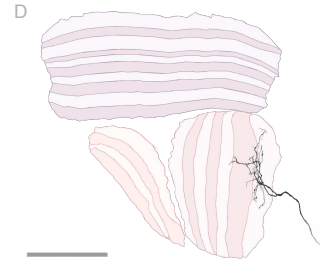
LoVP18 6



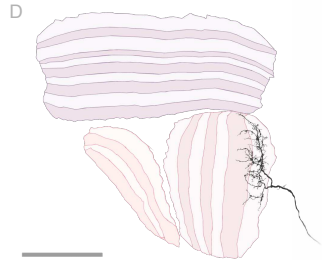
LoVP19



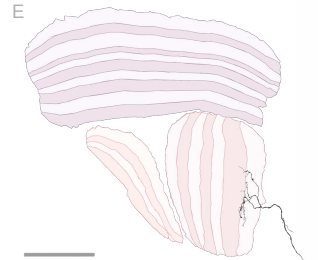
LoVP20



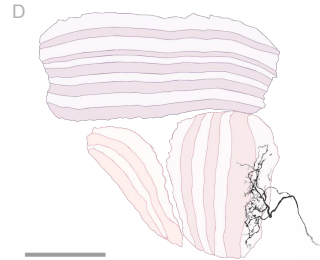
LoVP21 2



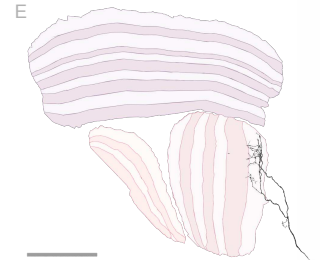
LoVP22 2



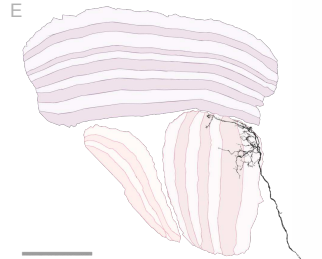
LoVP23 3



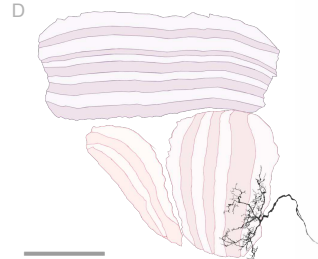
LoVP24 4



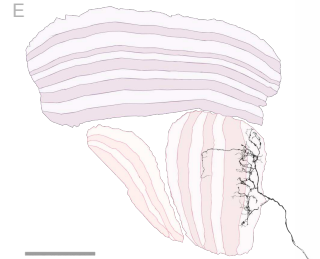
LoVP25 3



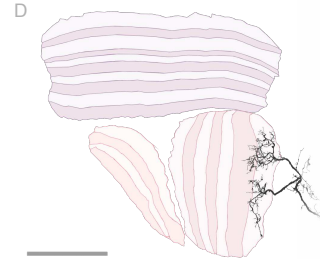
LoVP26 6



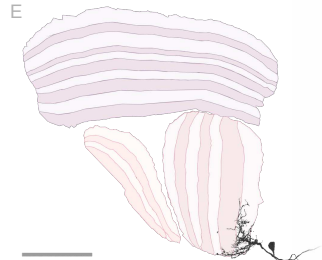
LoVP27 5



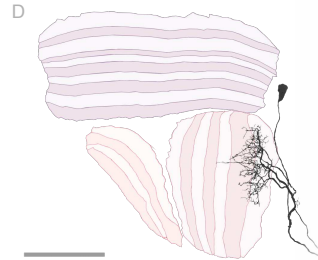
LoVP28



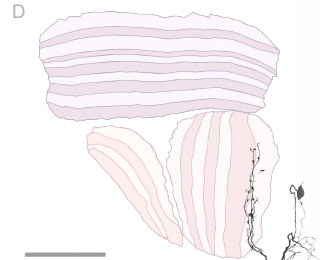
LoVP29



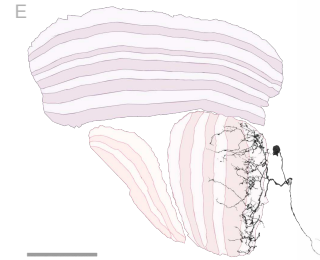
LoVP30



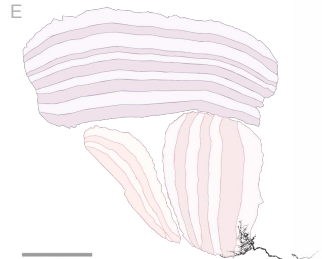
LoVP31



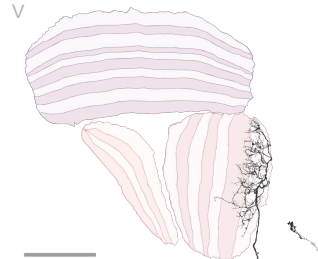
LoVP32 3



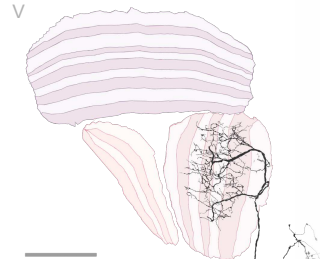
LoVP33 3



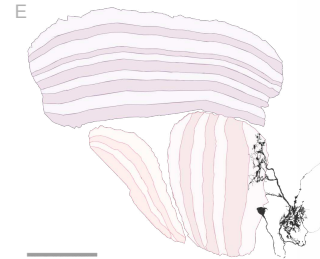
LoVP34



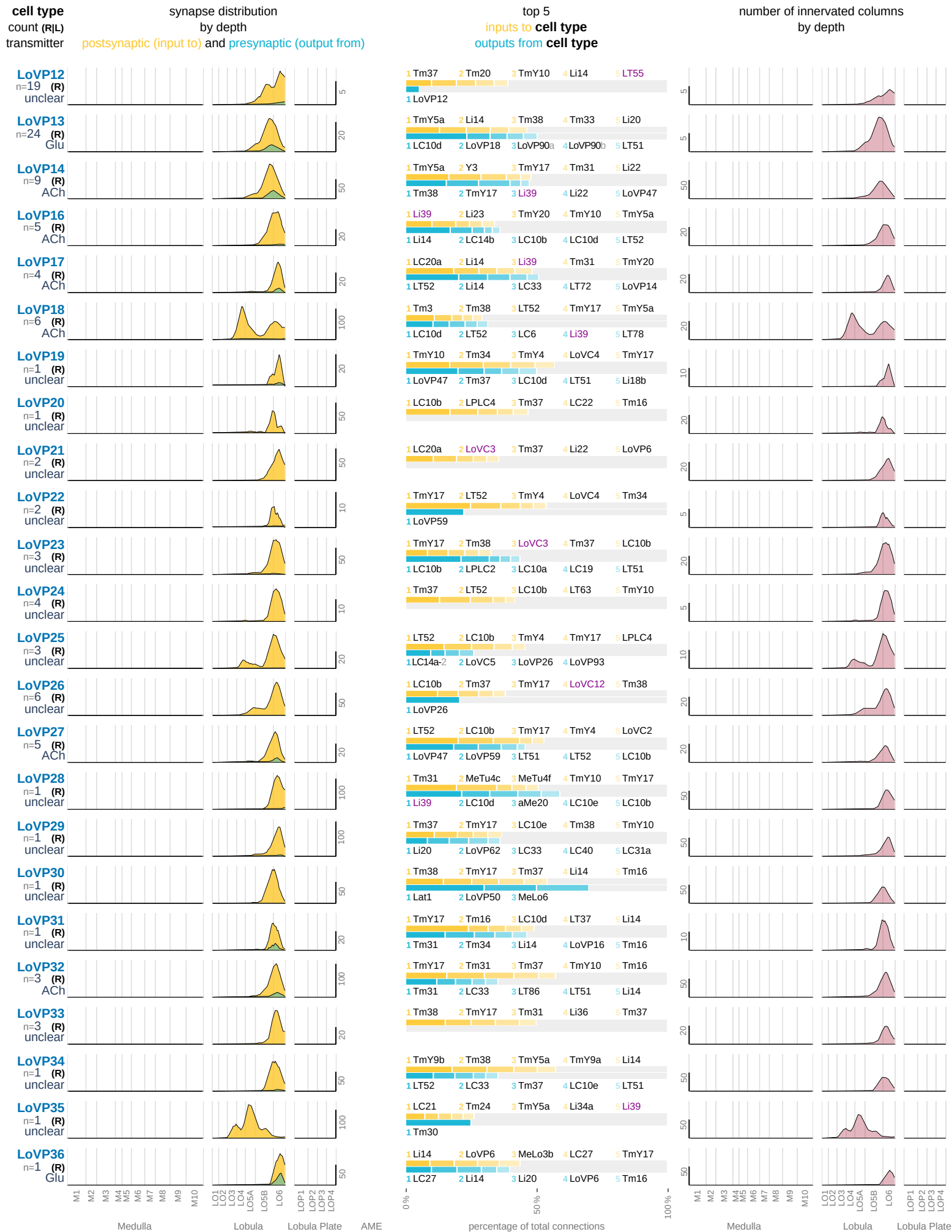
LoVP35



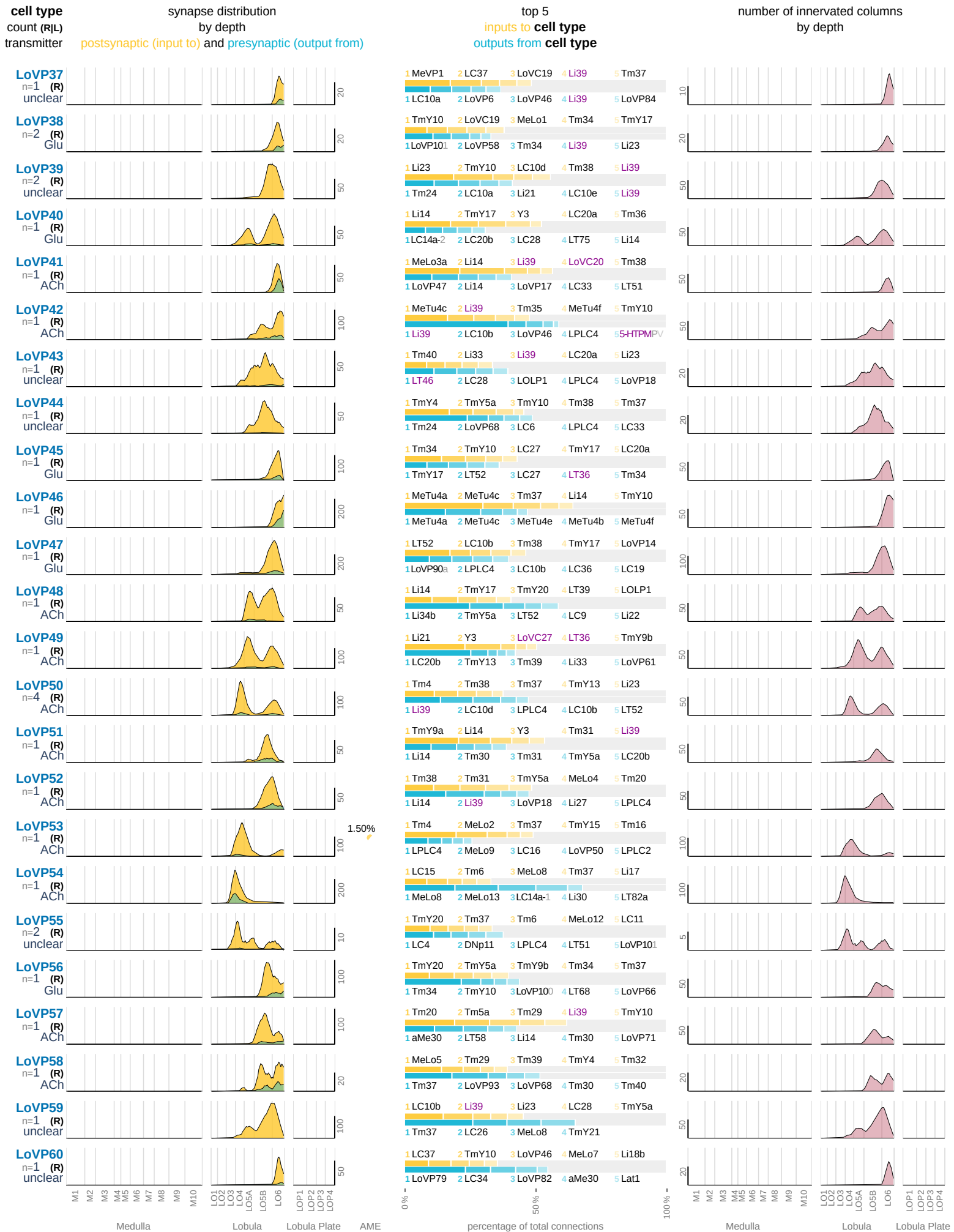
LoVP36



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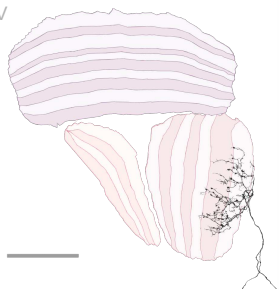


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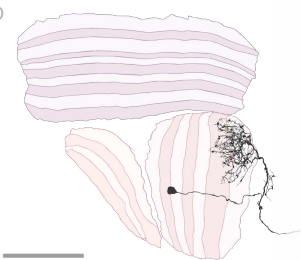
LoVP61 2

V



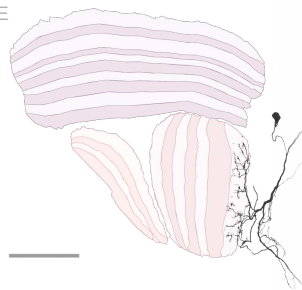
LoVP62 2

D



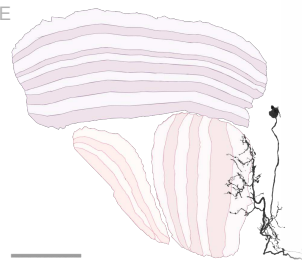
LoVP63

E



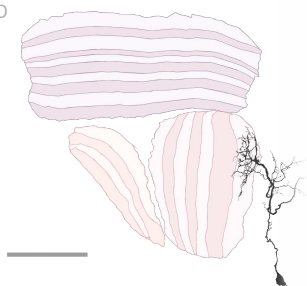
LoVP64

E



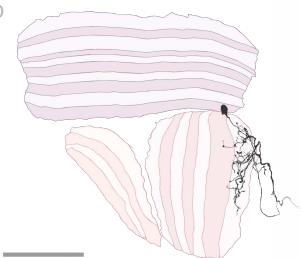
LoVP65

D



LoVP66

D



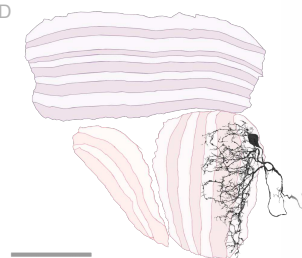
LoVP67

E



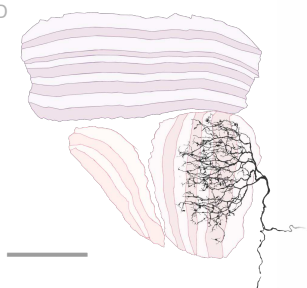
LoVP68

D



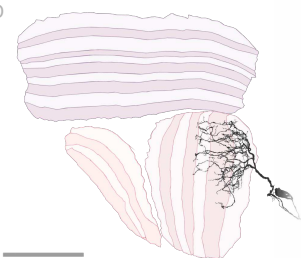
LoVP69

D



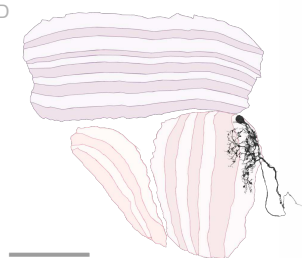
LoVP70

D



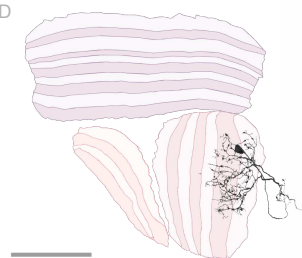
LoVP71 2

D



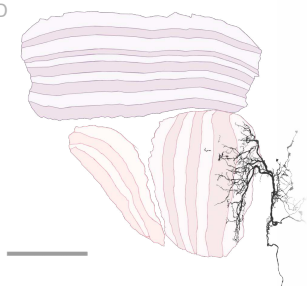
LoVP72

D



LoVP73

D



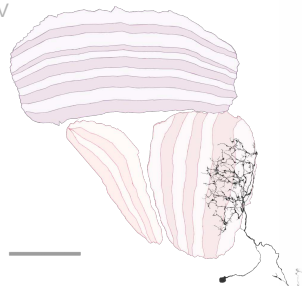
LoVP74 2

D



LoVP75 3

V



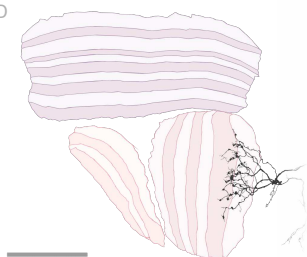
LoVP76 2

D



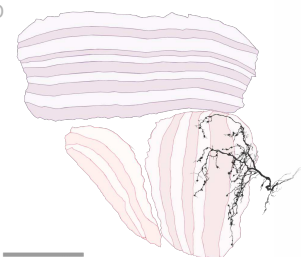
LoVP77

D



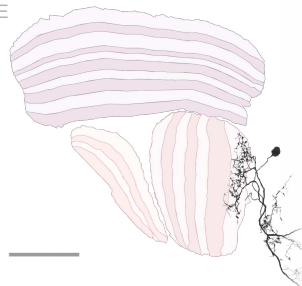
LoVP78

D



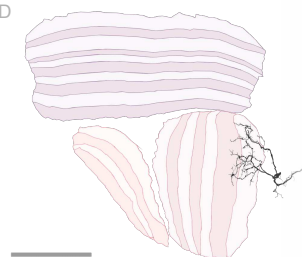
LoVP79

E



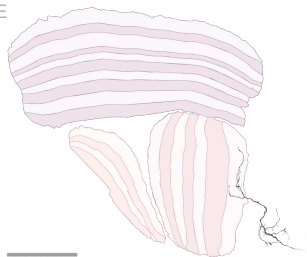
LoVP80 2

D



LoVP81 2

E



LoVP82 2

E



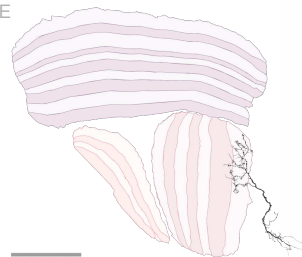
LoVP83 3

D

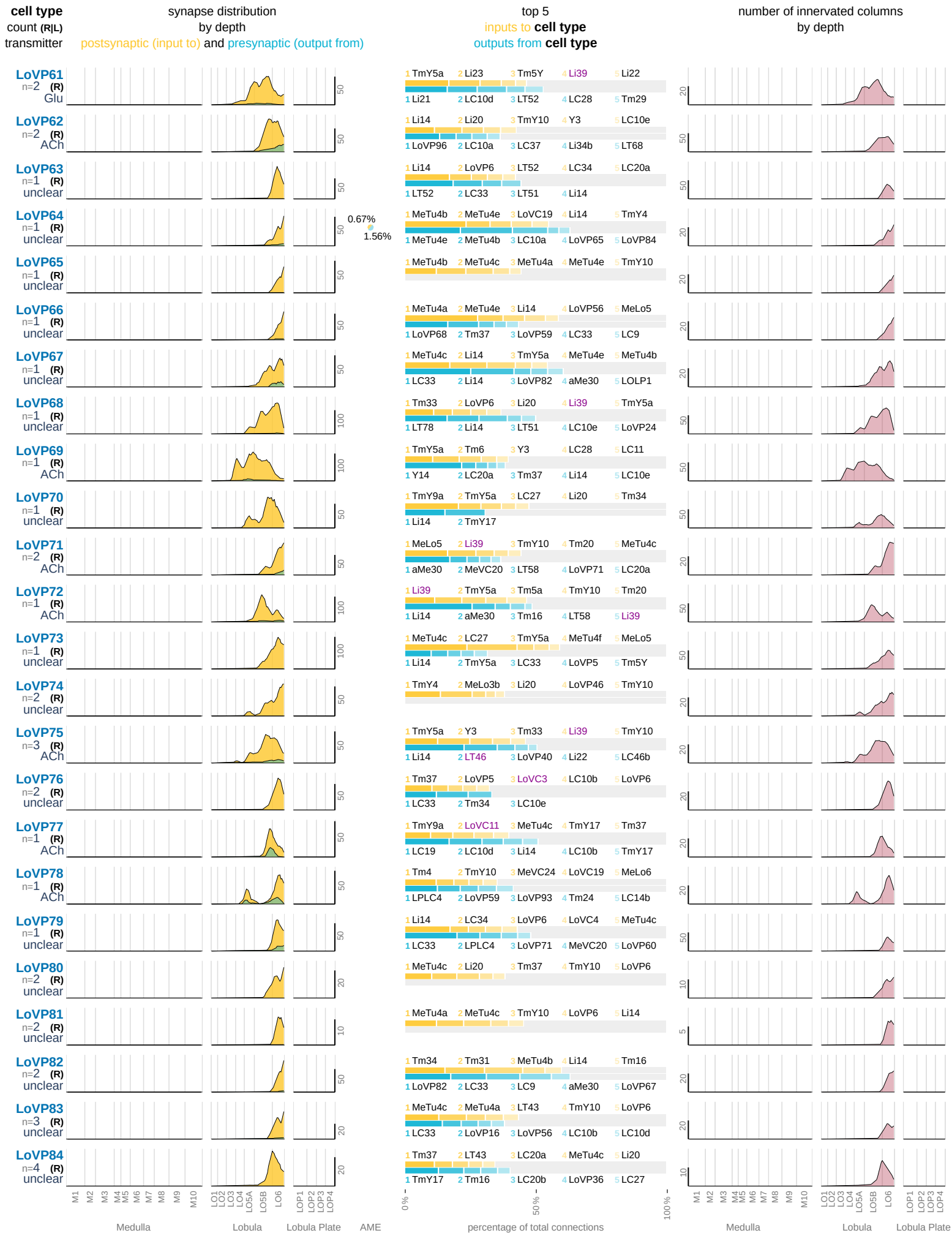


LoVP84 4

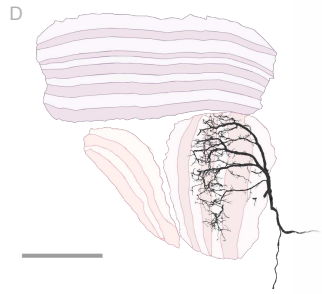
E



Visual Projection Neurons 7 / 17



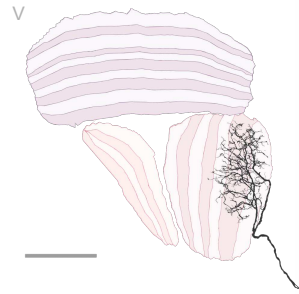
LoVP85



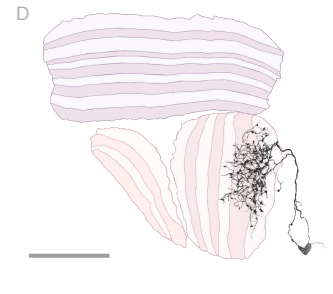
LoVP86



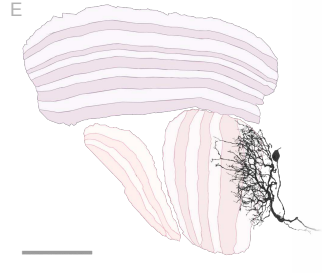
LoVP88



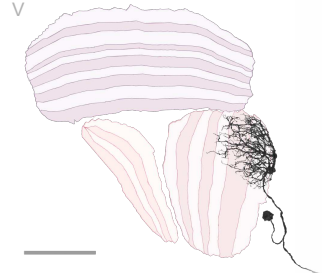
LoVP89 2



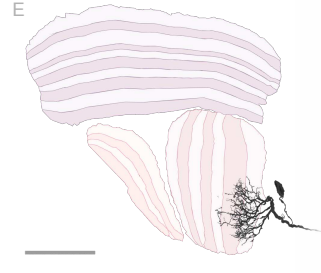
LoVP90a



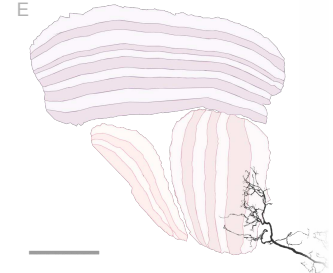
LoVP90b



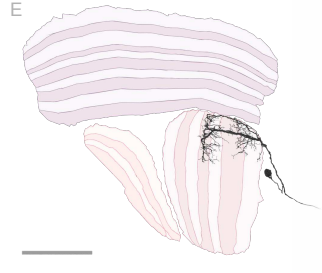
LoVP90c



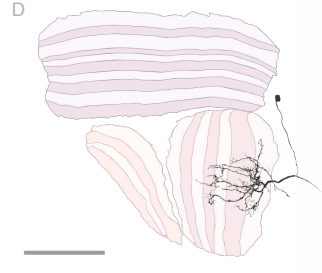
LoVP91



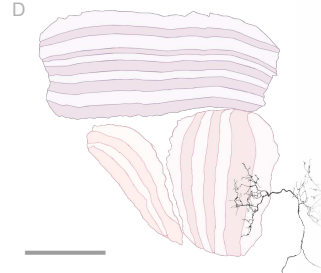
LoVP92 6



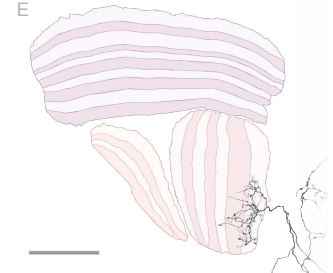
LoVP93 6



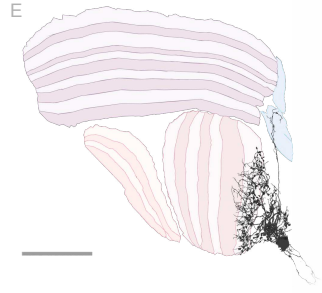
LoVP94



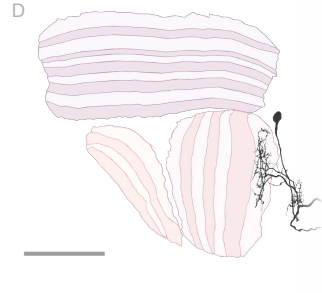
LoVP95



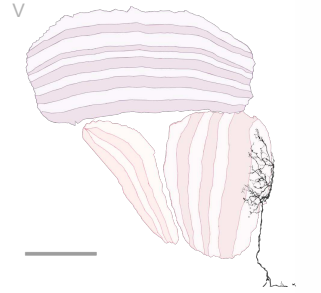
LoVP96



LoVP97



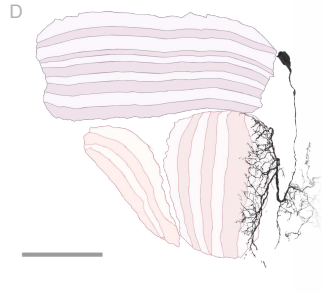
LoVP98



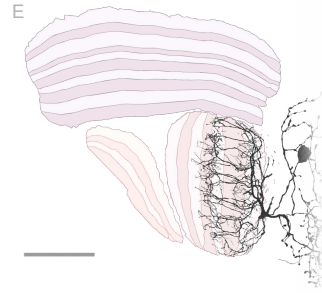
LoVP99



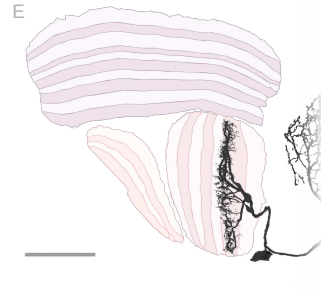
LoVP100



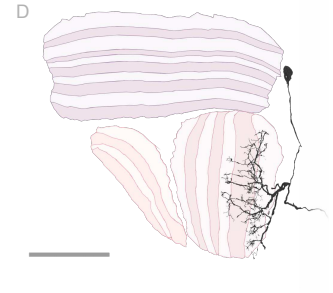
LoVP101



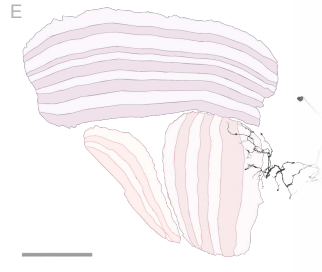
LoVP102



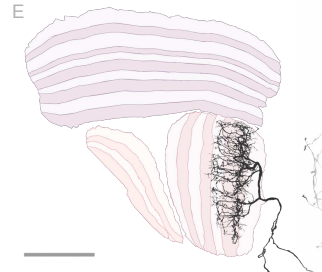
LoVP103



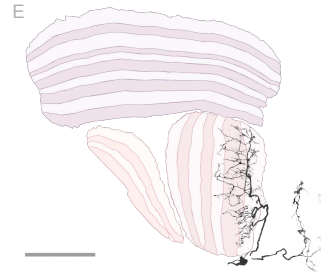
LoVP105



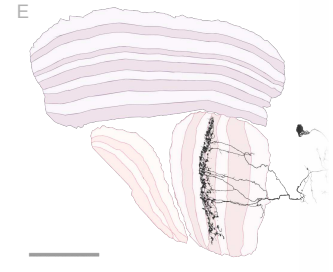
LoVP106



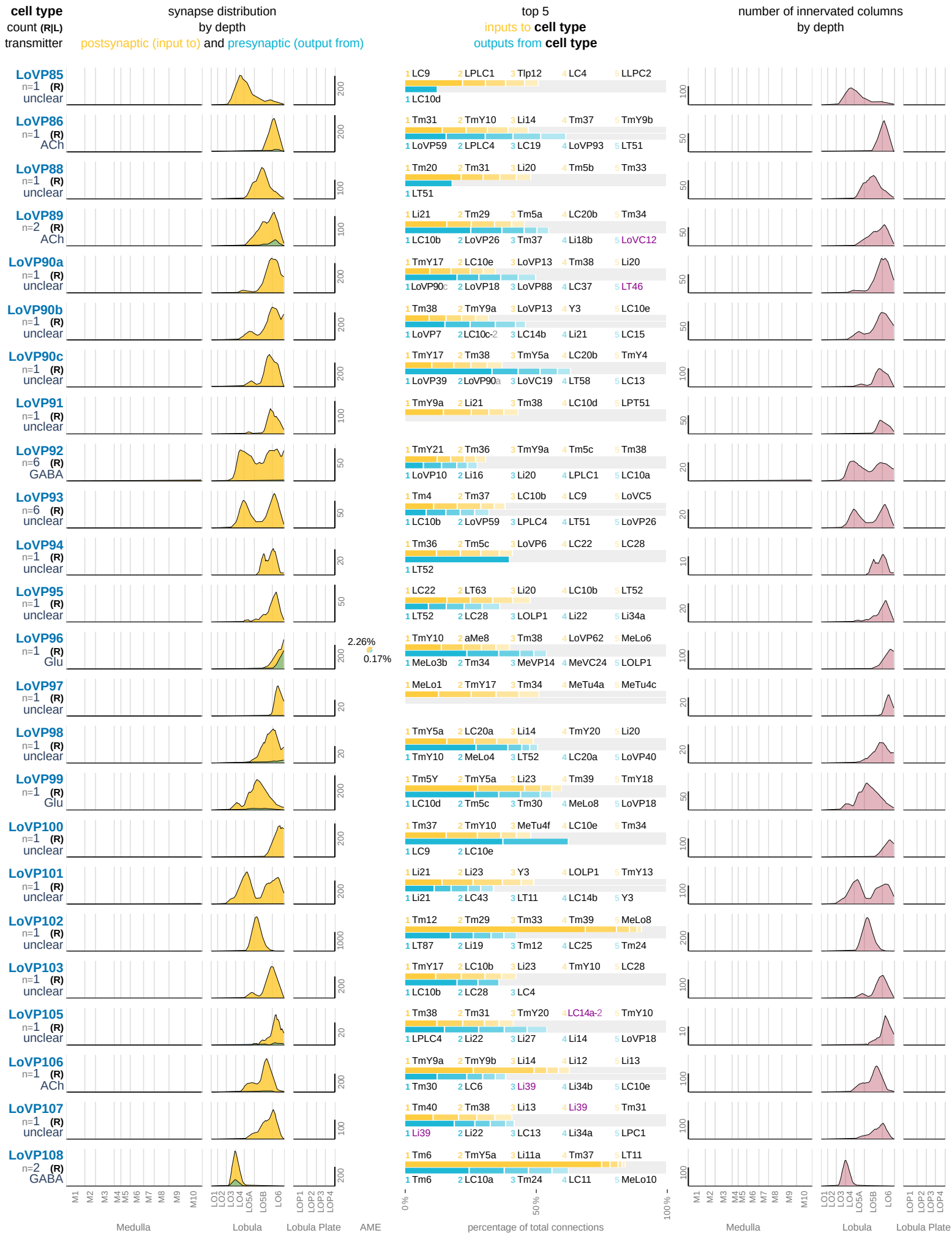
LoVP107

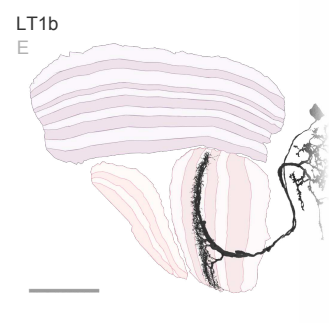
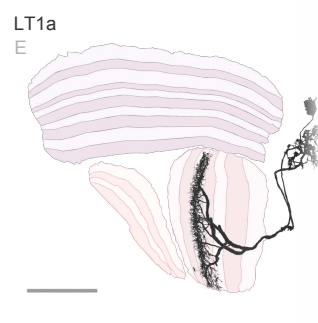
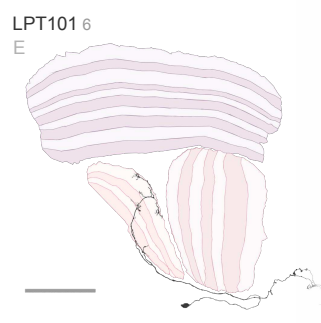
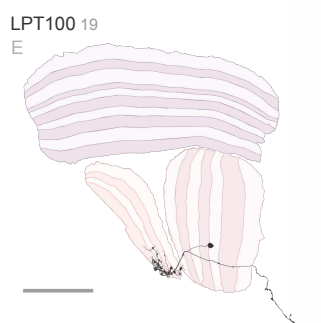
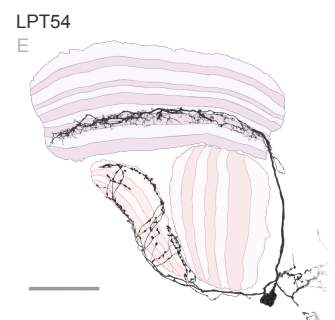
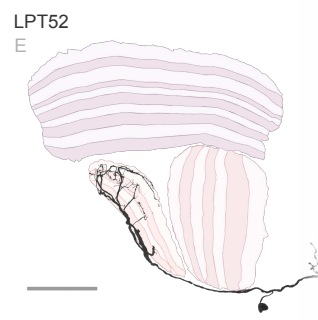
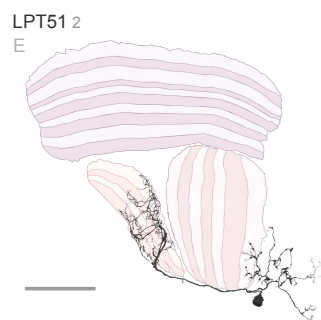
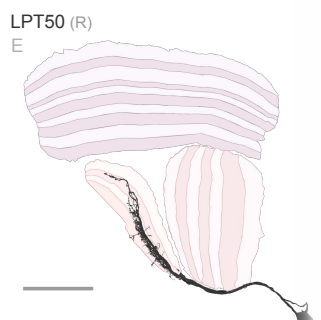
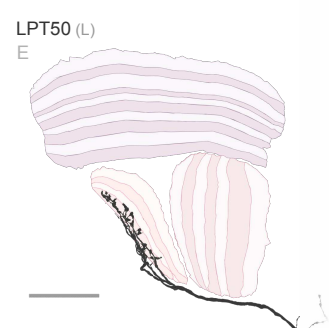
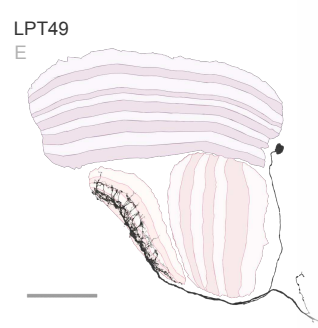
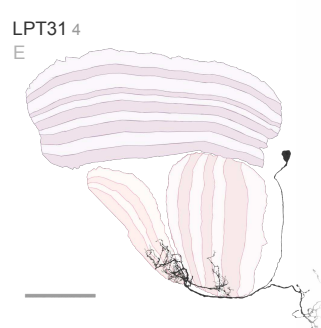
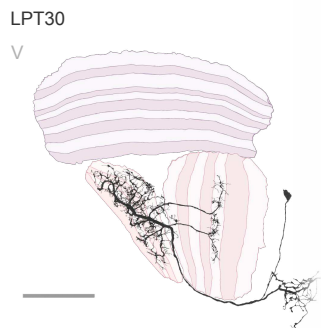
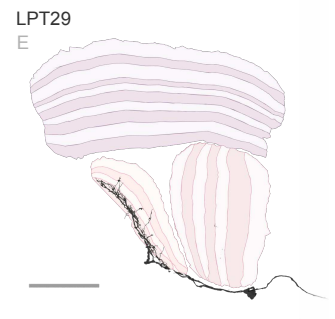
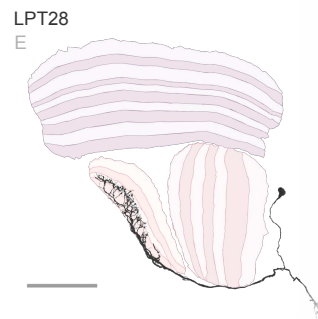
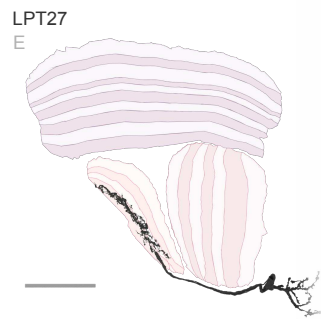
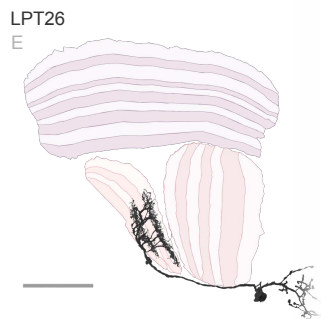
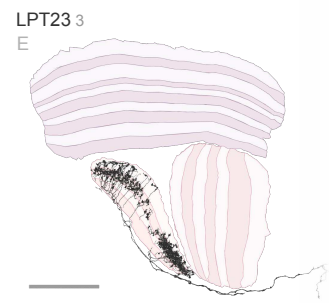
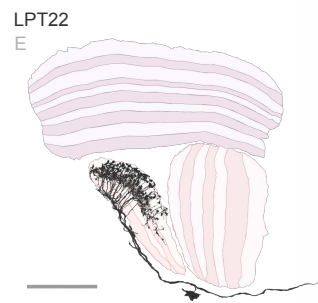
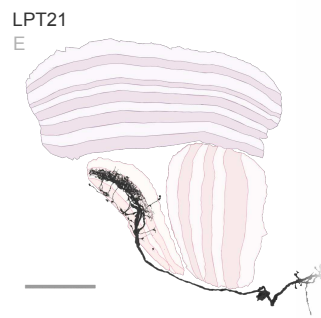
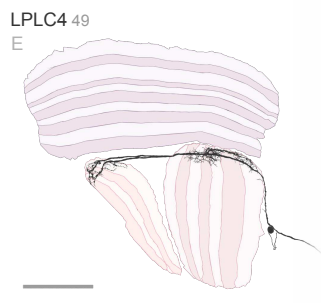
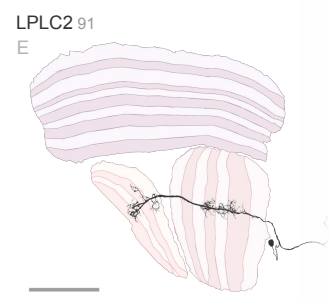
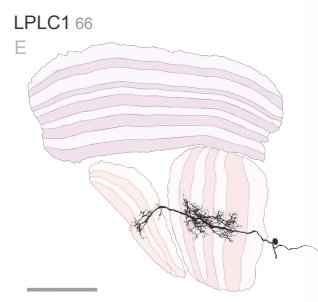
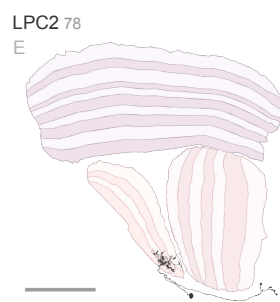
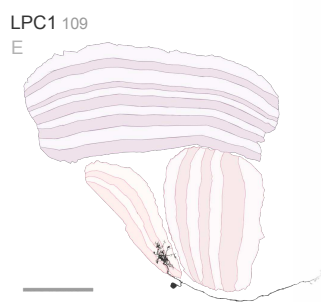


LoVP108 2

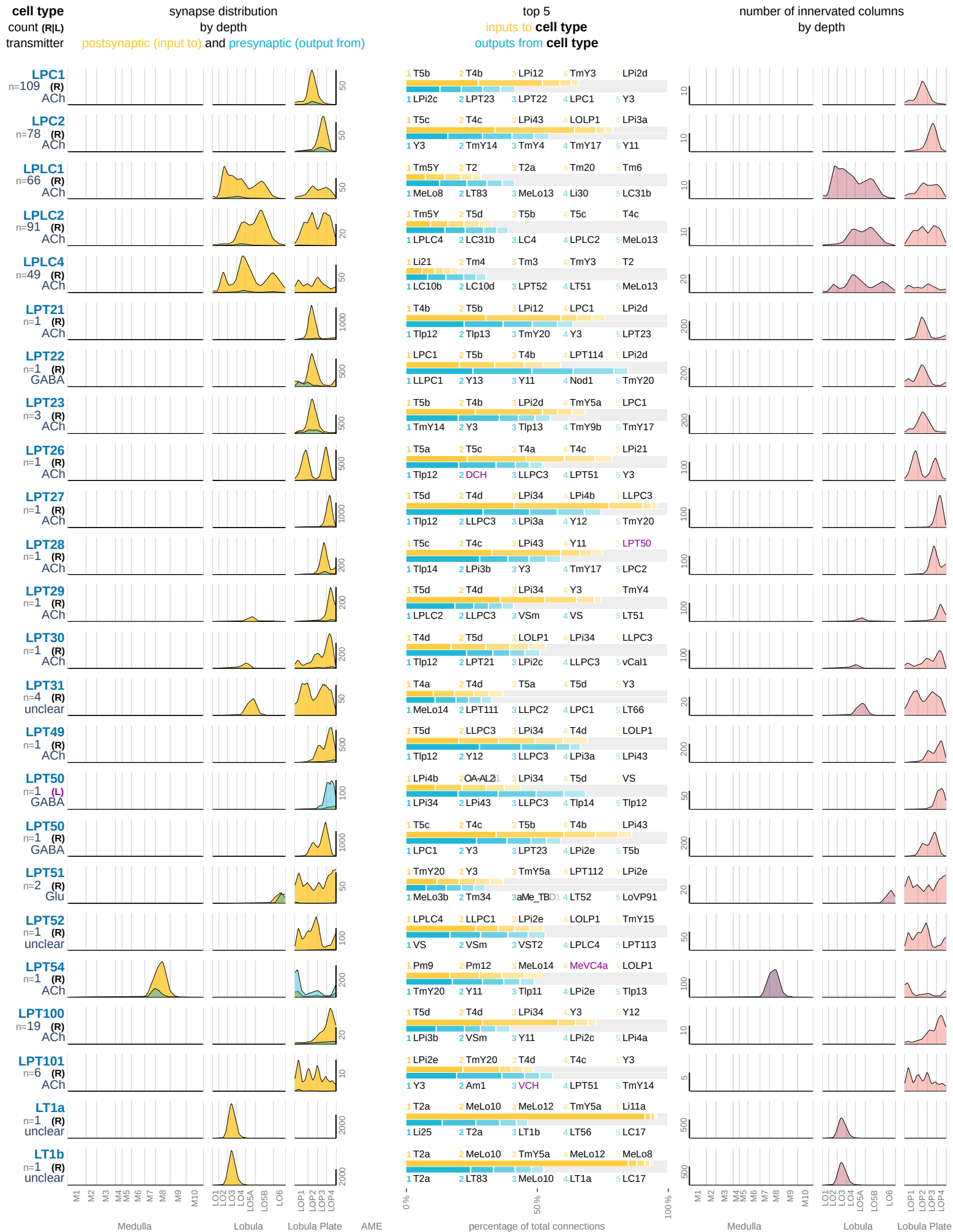


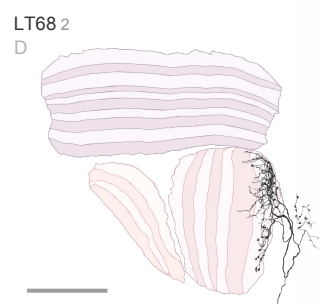
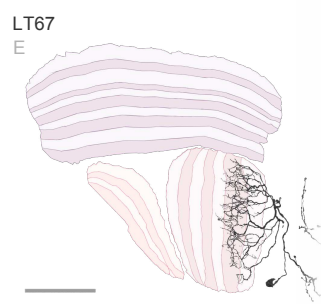
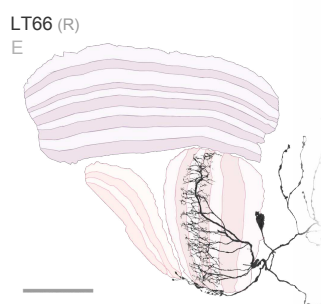
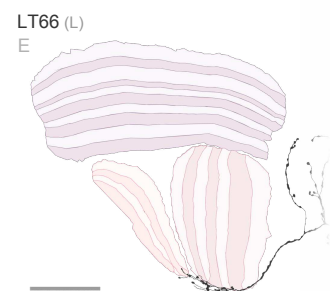
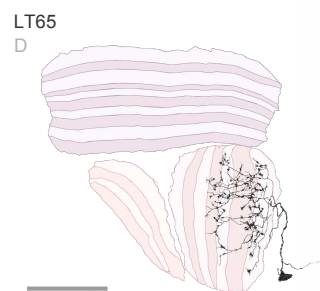
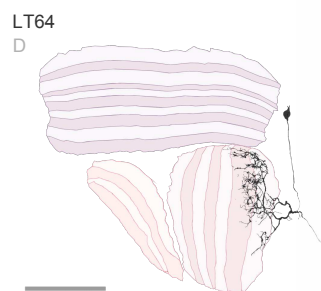
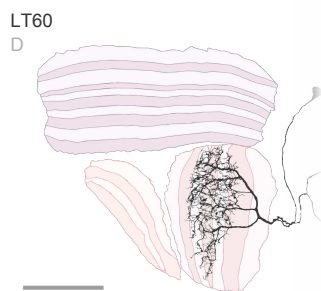
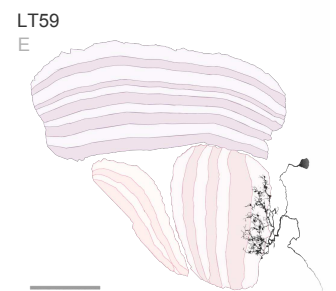
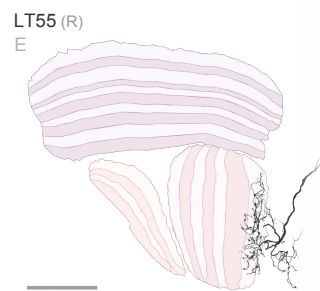
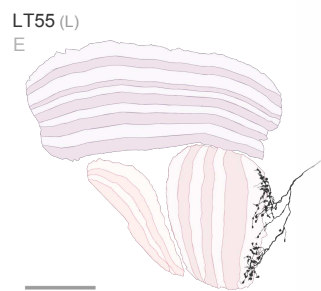
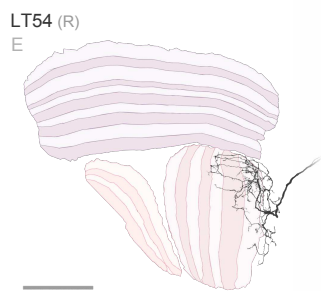
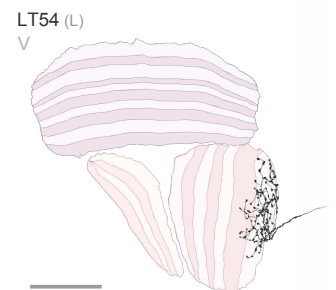
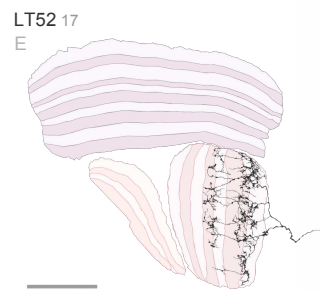
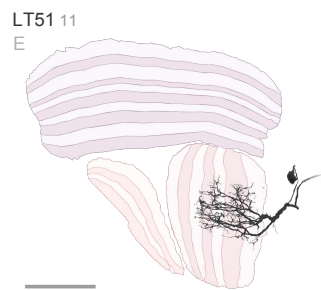
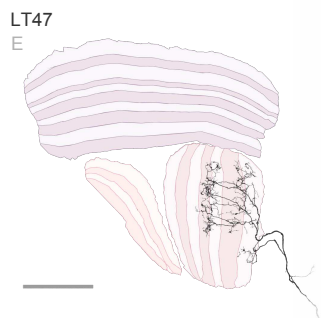
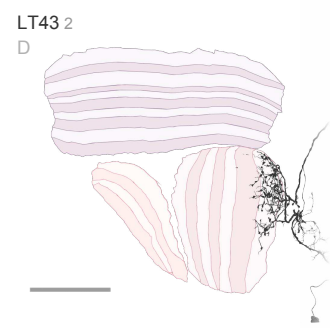
Visual Projection Neurons 8 / 17



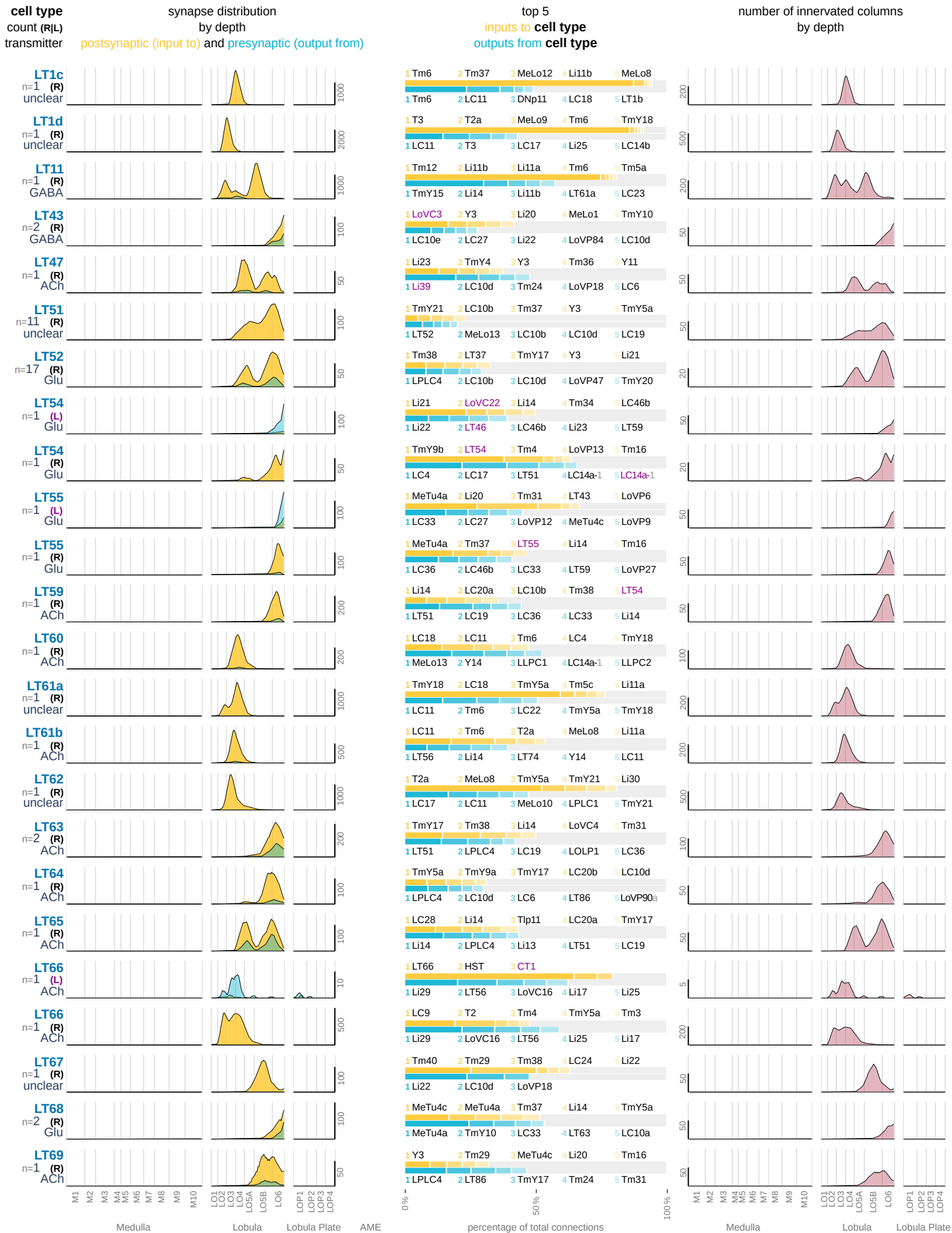


Visual Projection Neurons 9 / 17

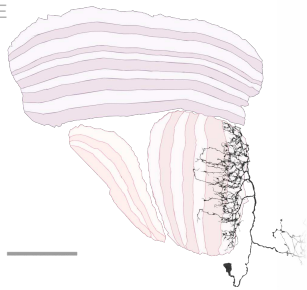




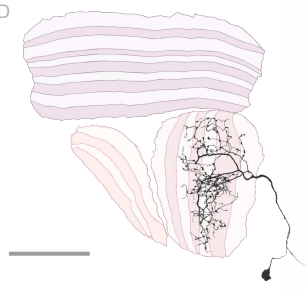
Visual Projection Neurons 10 / 17



LT72
E



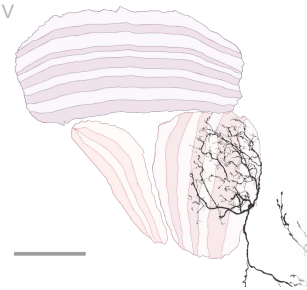
LT73 2
D



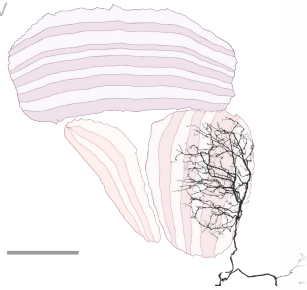
LT74 3
E



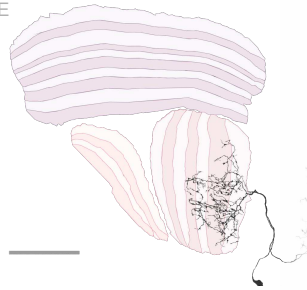
LT75
V



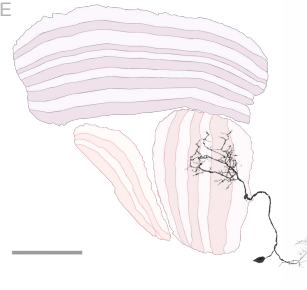
LT76
V



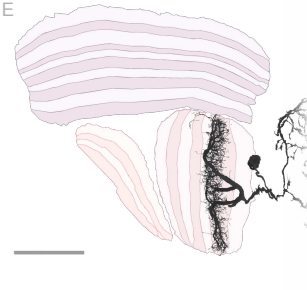
LT77 3
E



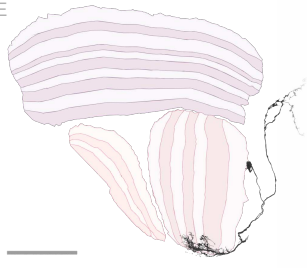
LT78 4
E



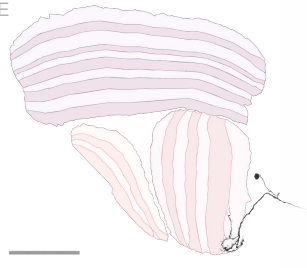
LT79
E



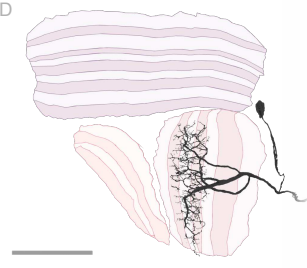
LT80 2
E



LT81 6
E



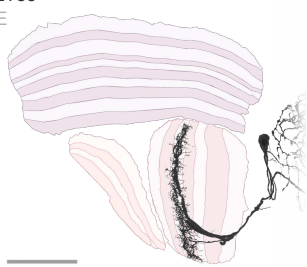
LT82a 2
D



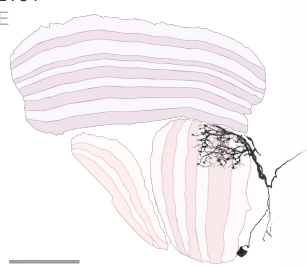
LT82b
E



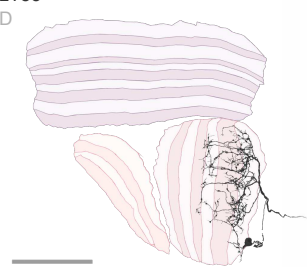
LT83
E



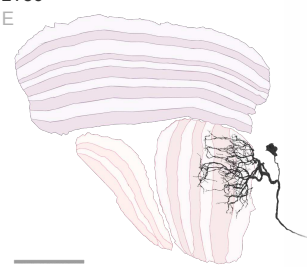
LT84
E



LT85
D



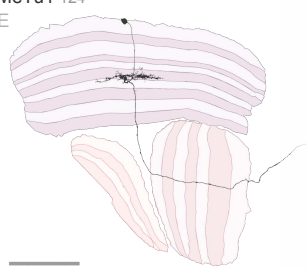
LT86
E



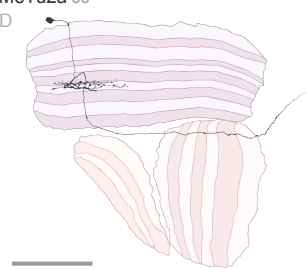
LT87
E



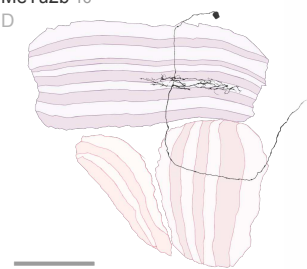
MeTu1 124
E



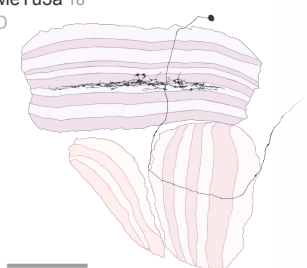
MeTu2a 36
D



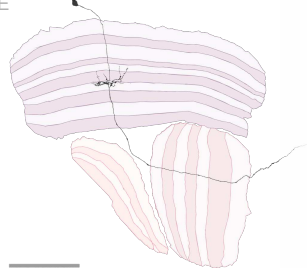
MeTu2b 16
D



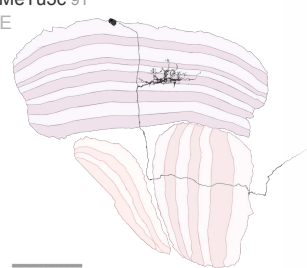
MeTu3a 18
D



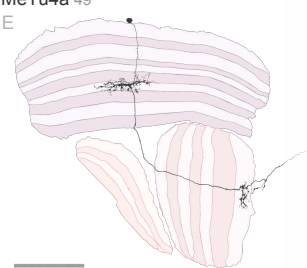
MeTu3b 42
E



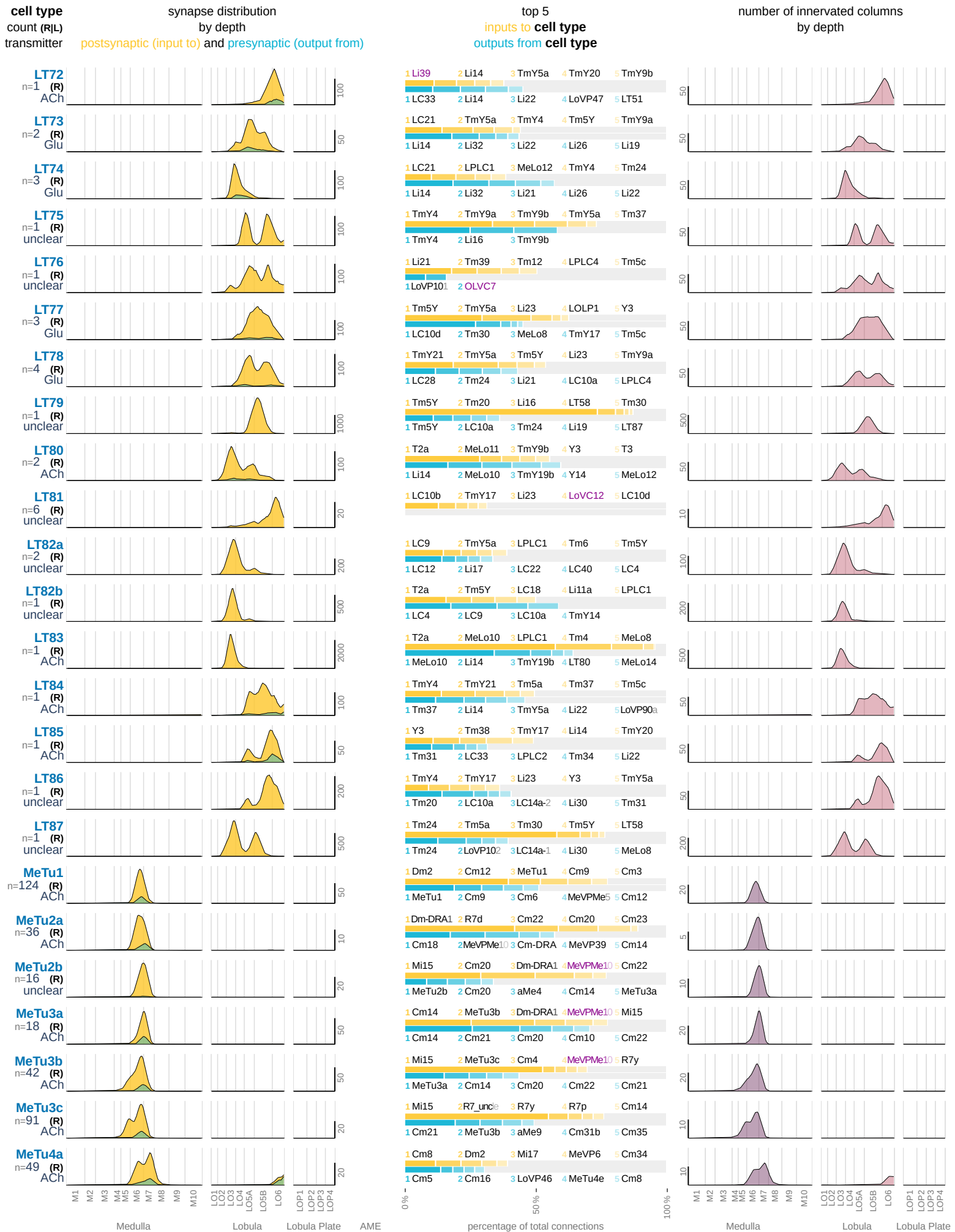
MeTu3c 91
E



MeTu4a 49
E



Visual Projection Neurons 11 / 17



Medulla

Lobula

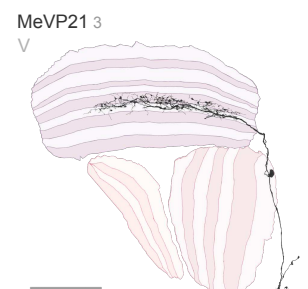
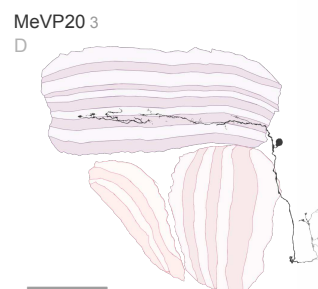
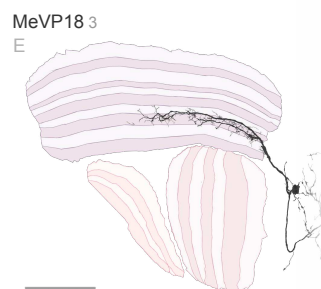
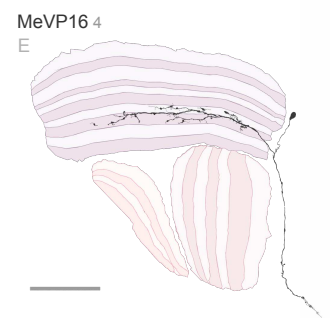
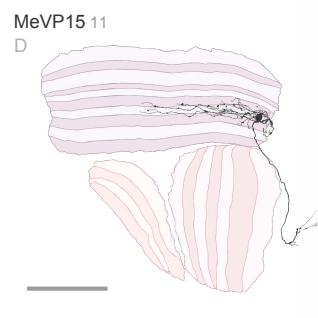
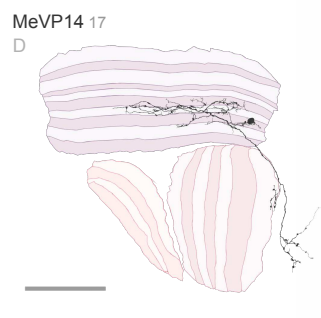
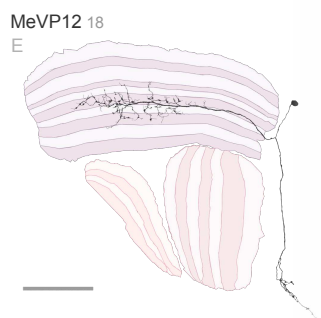
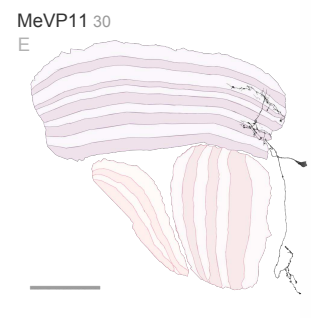
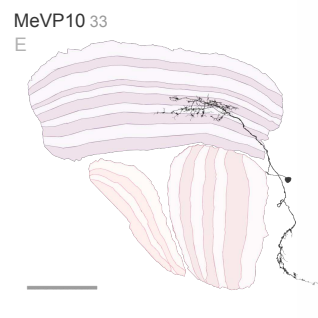
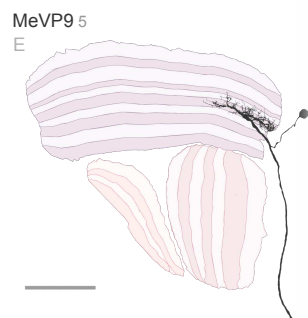
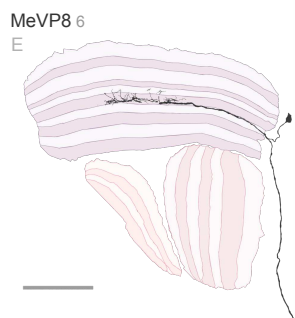
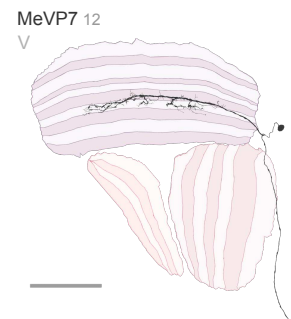
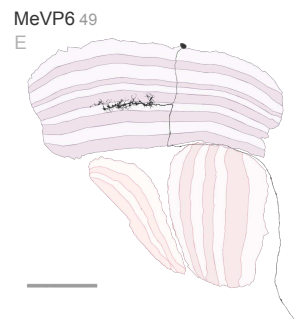
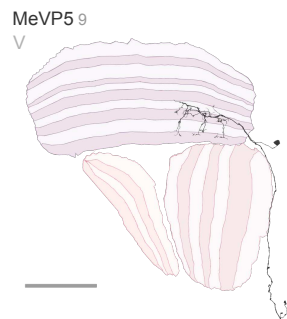
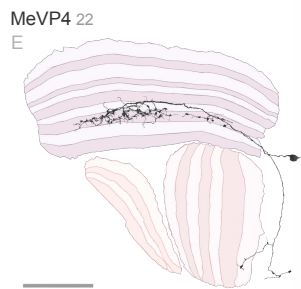
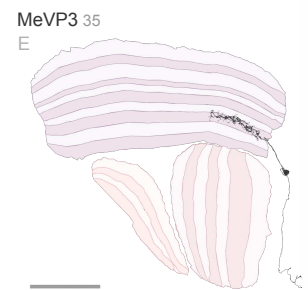
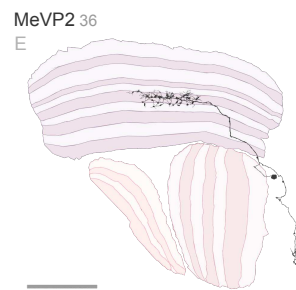
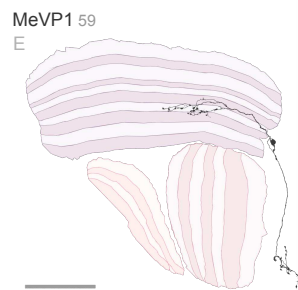
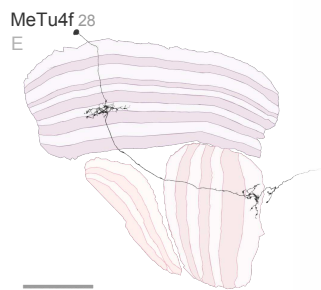
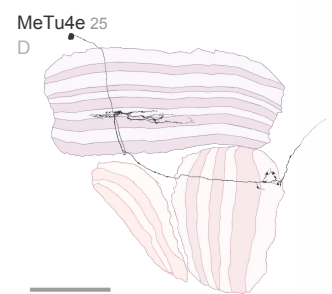
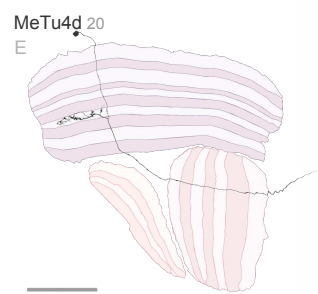
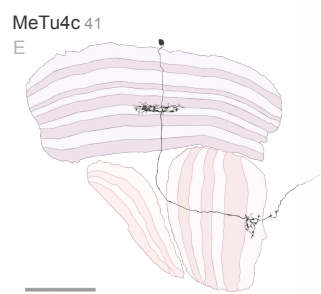
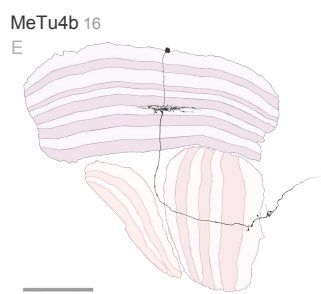
Lobula Plate

AME

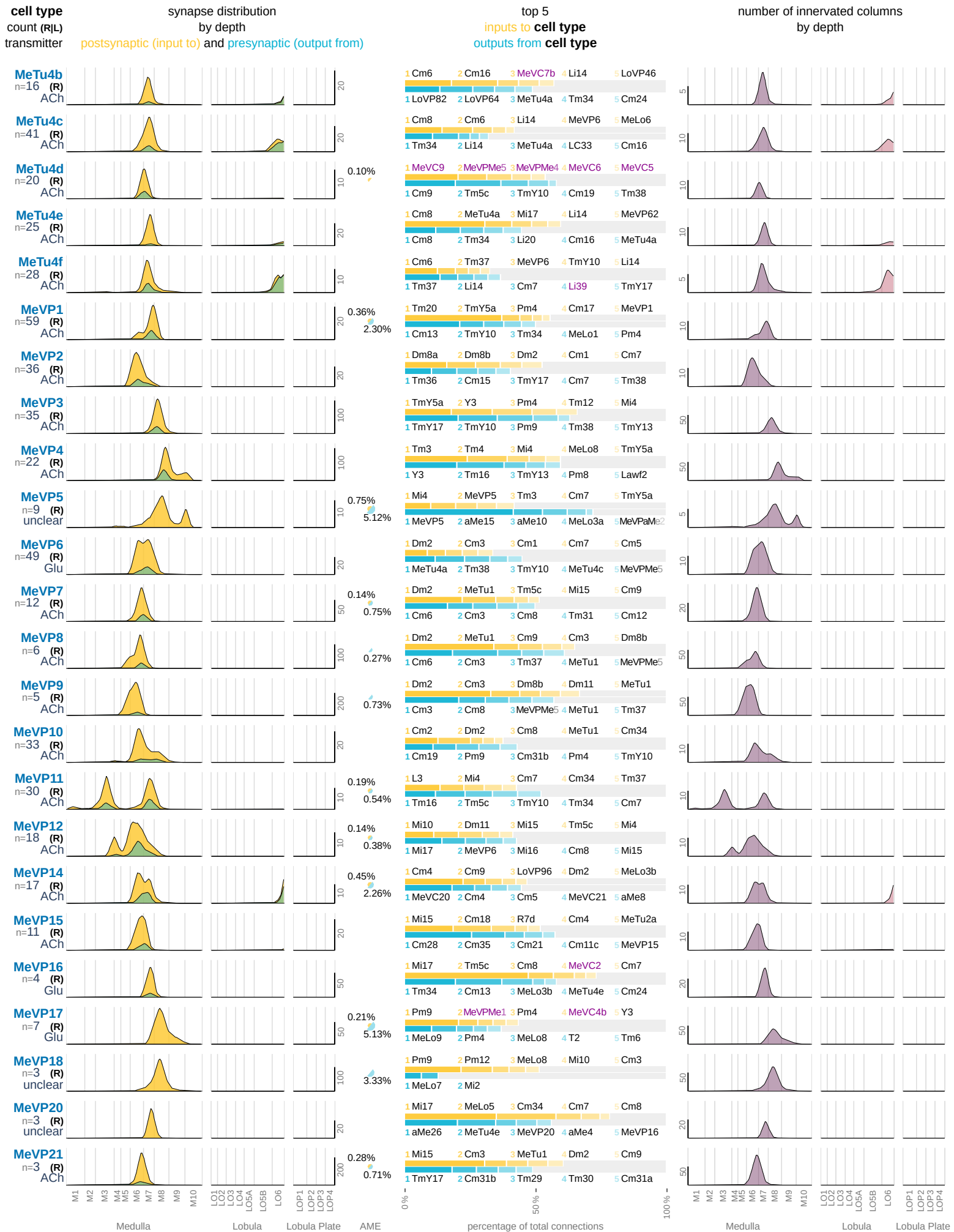
Medulla

Lobula

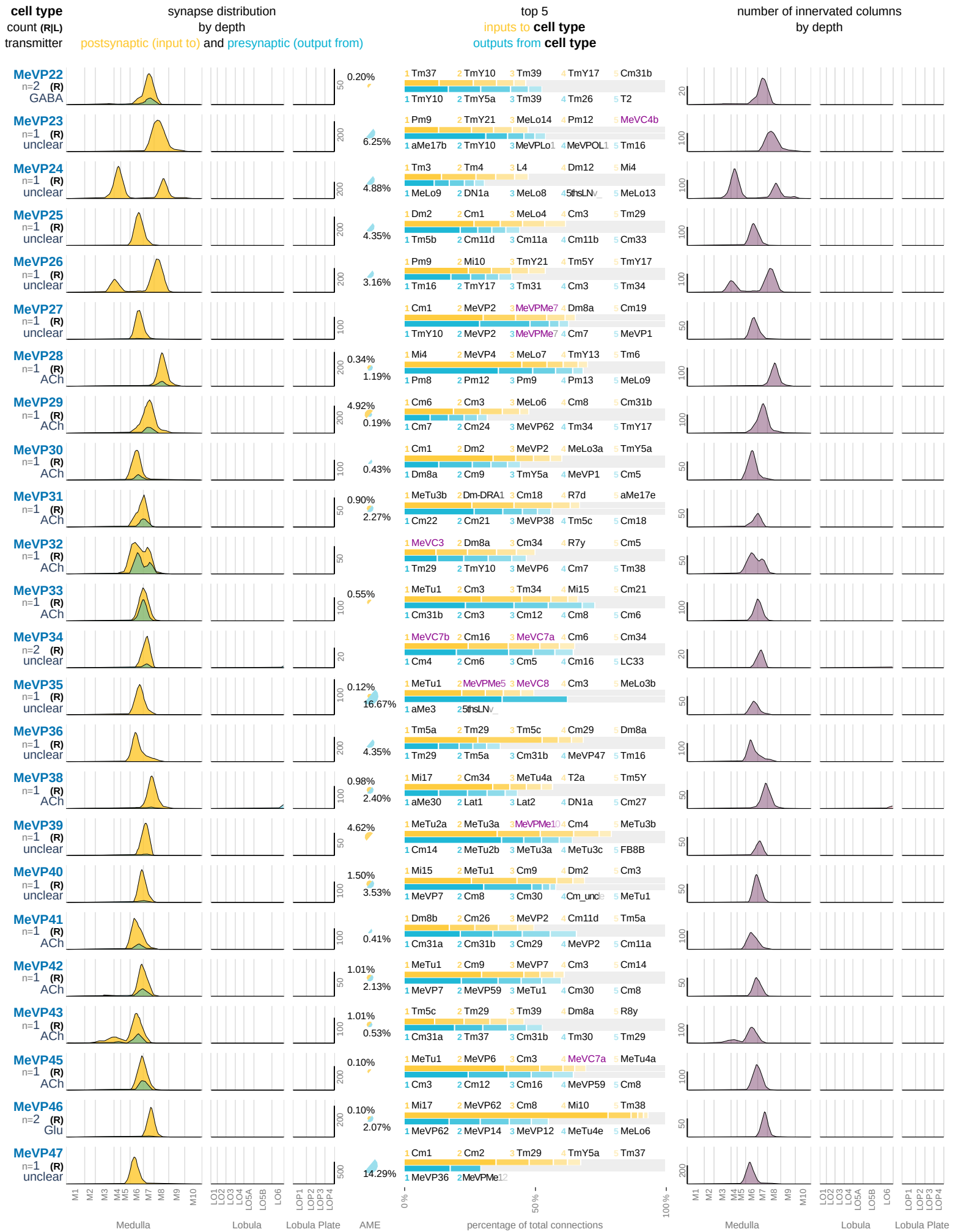
Lobula Plate



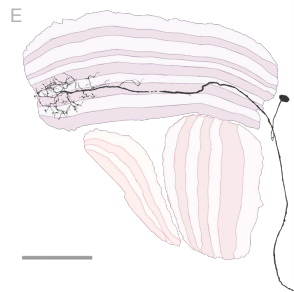
Visual Projection Neurons 12 / 17



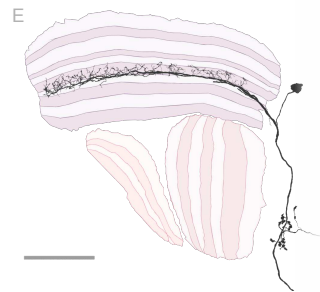
Visual Projection Neurons 13 / 17



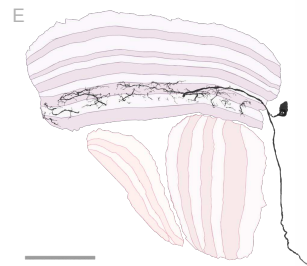
MeVP48



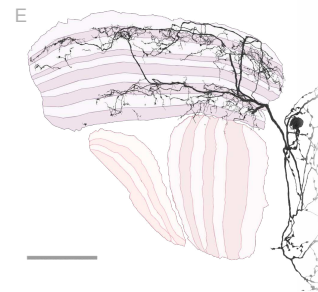
MeVP49



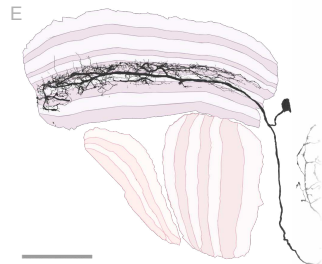
MeVP50



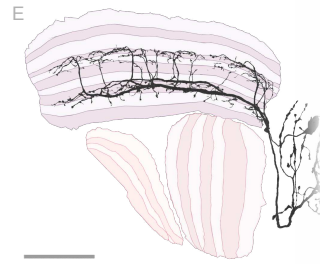
MeVP51



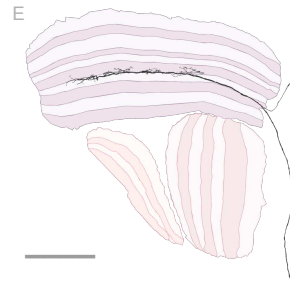
MeVP52



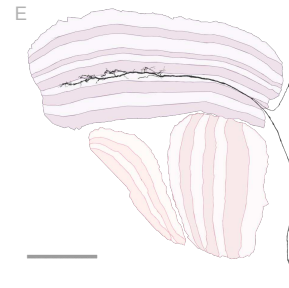
MeVP53



MeVP54 2



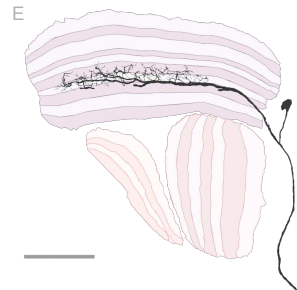
MeVP55 2



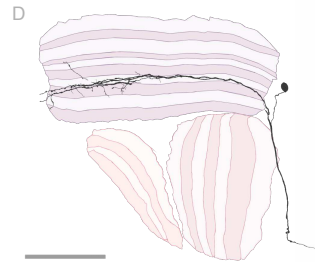
MeVP56



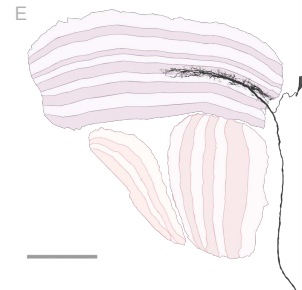
MeVP57



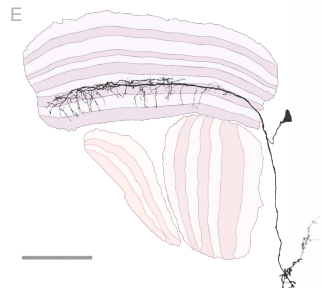
MeVP58 3



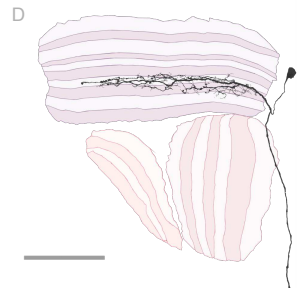
MeVP59 2



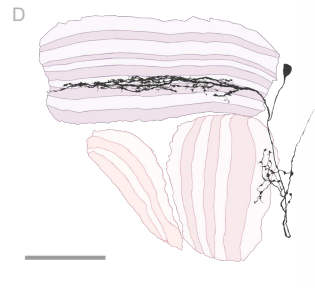
MeVP60



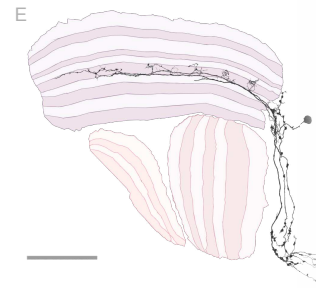
MeVP61



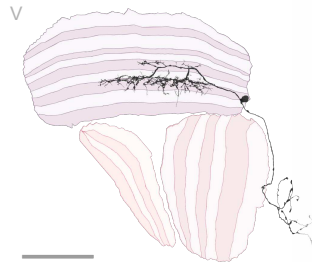
MeVP62 3



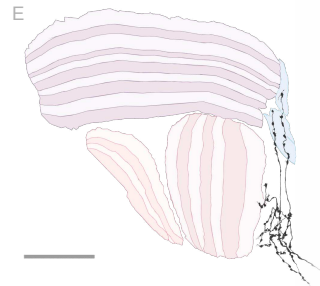
MeVP63



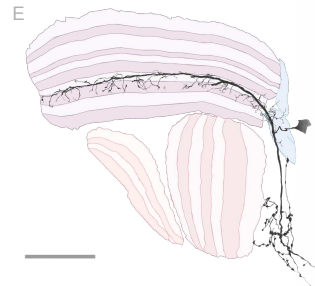
MeVP64



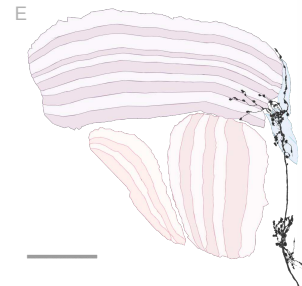
MeVPaMe1 (L)



MeVPaMe1 (R)



MeVPaMe2 (L)



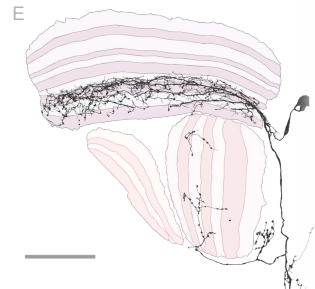
MeVPaMe2 (R)



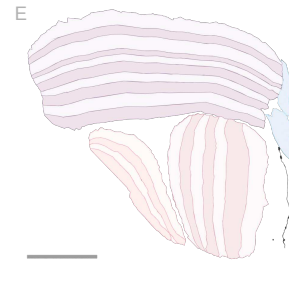
MeVPLo1 (L) 2



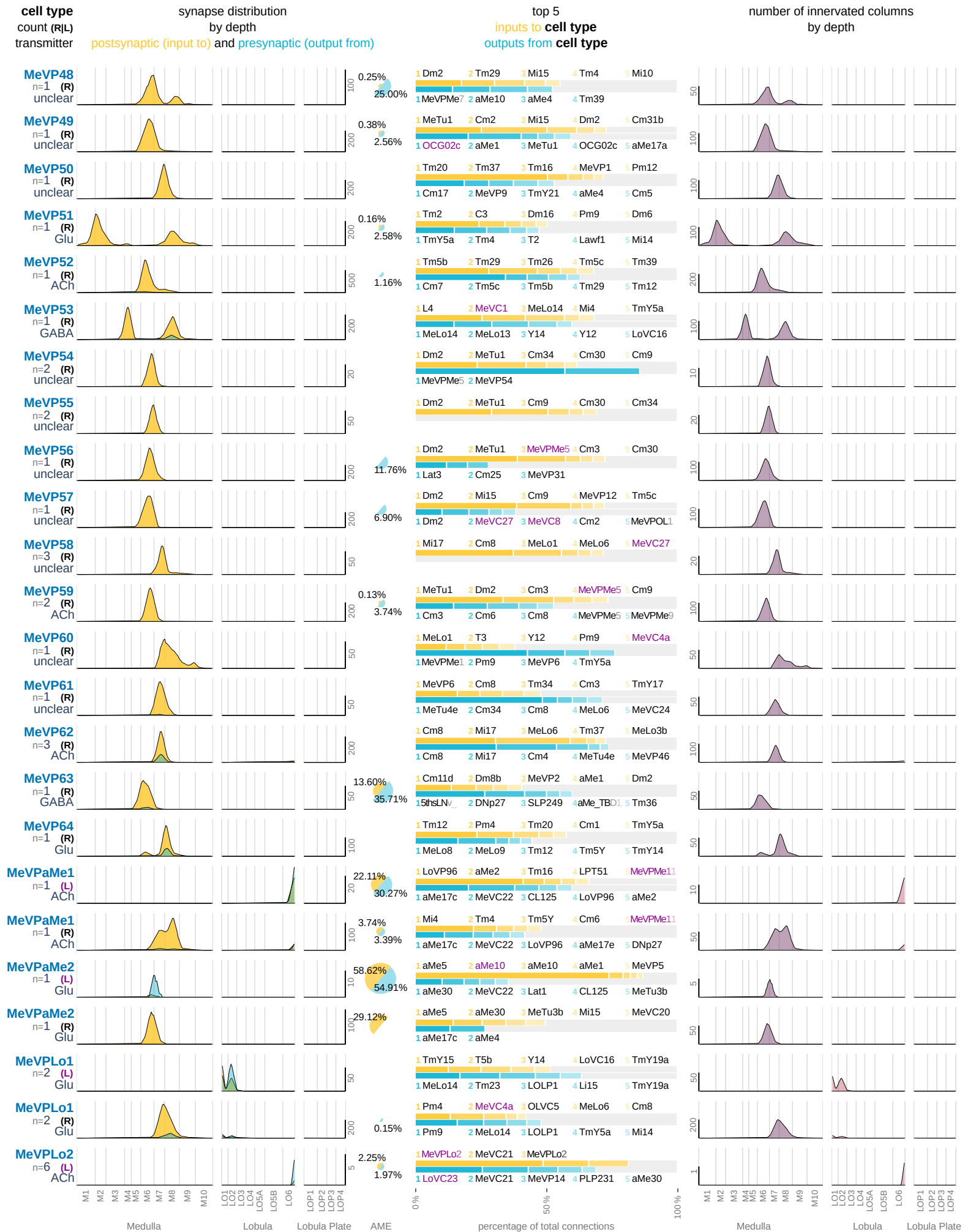
MeVPLo1 (R) 2

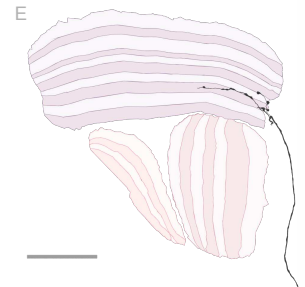
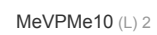
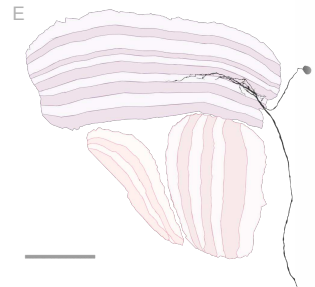
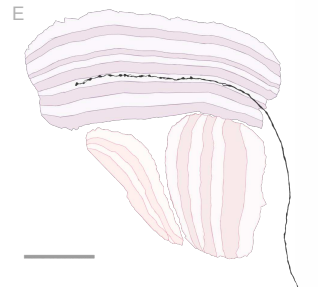
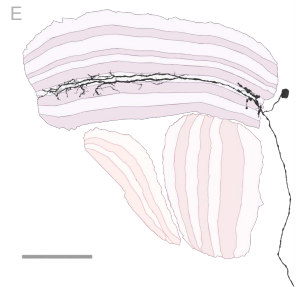
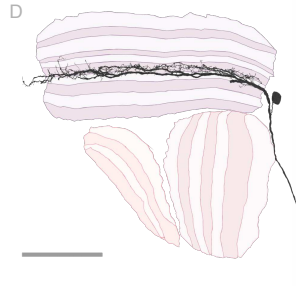
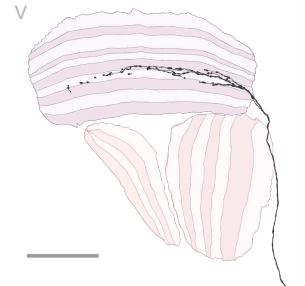
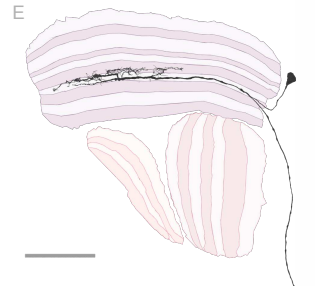
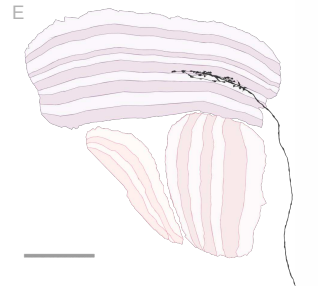
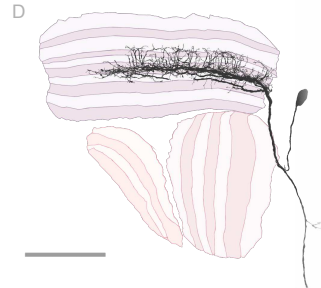
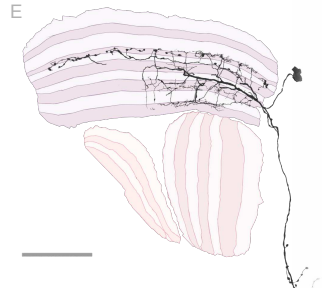
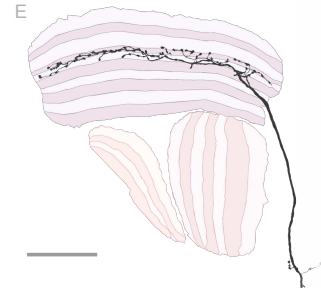
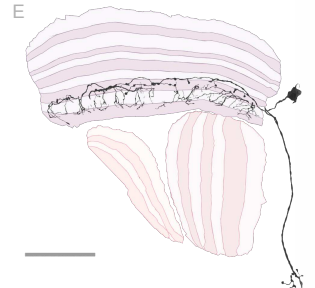
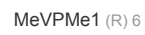
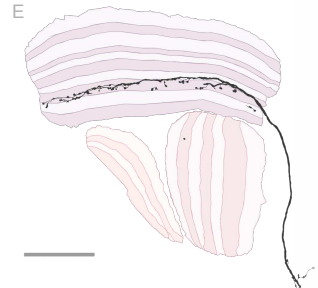
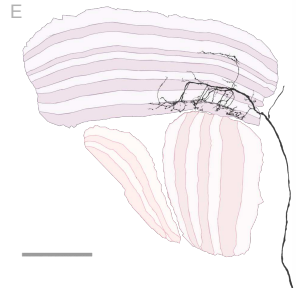
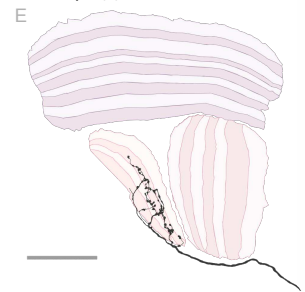
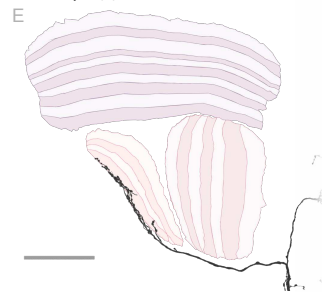
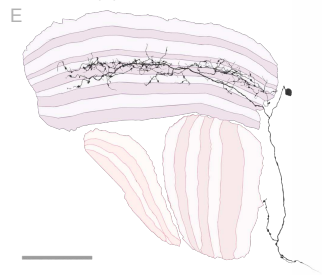


MeVPLo2 (L) 6

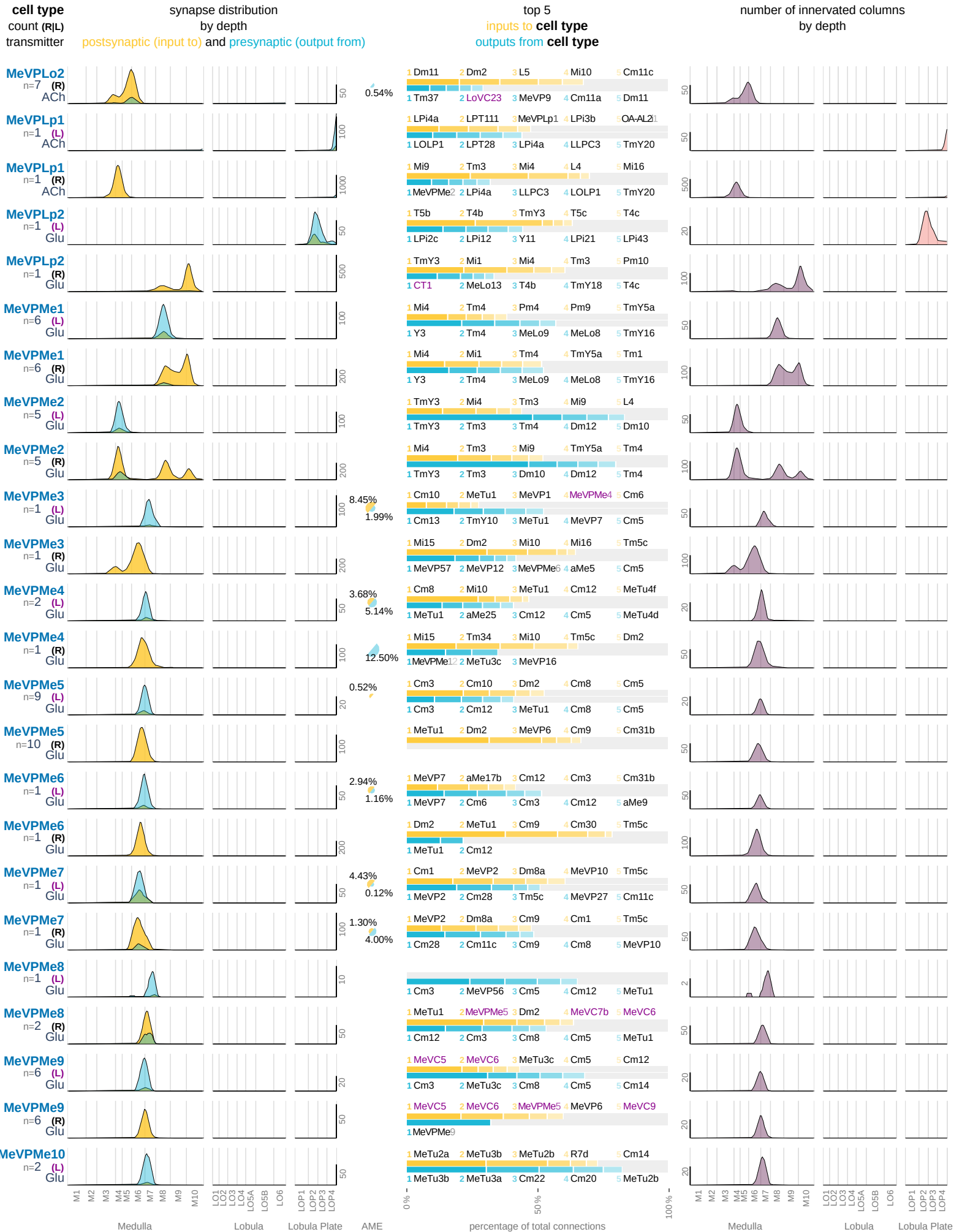


Visual Projection Neurons 14 / 17

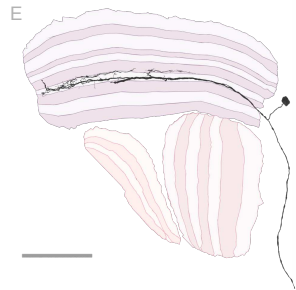




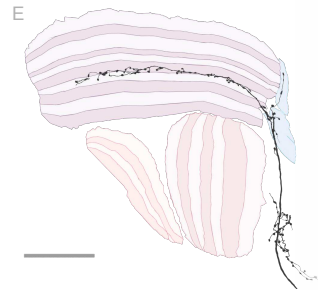
Visual Projection Neurons 15 / 17



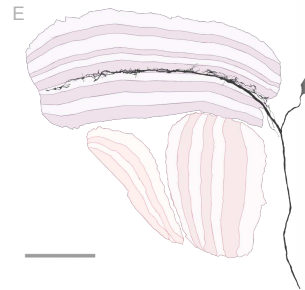
MeVPM10 (R) 2



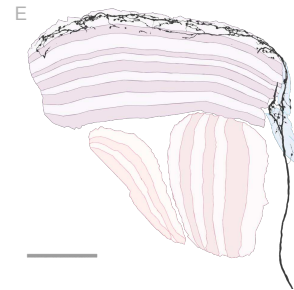
MeVPM11 (L)



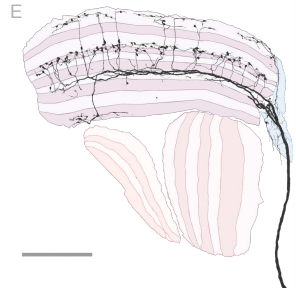
MeVPM11 (R)



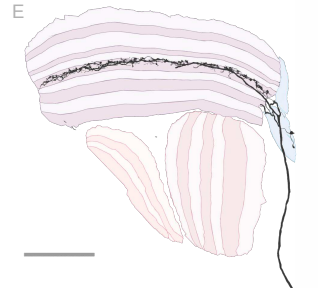
MeVPM12 (L) 2



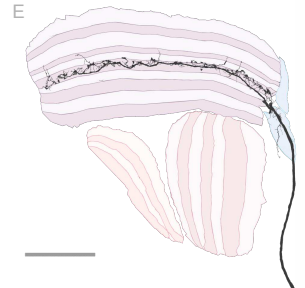
MeVPM12 (R) 2



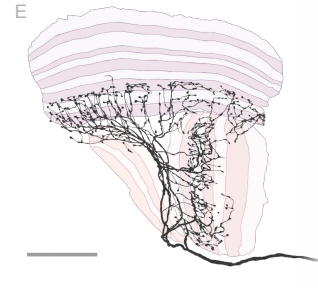
MeVPM13 (L)



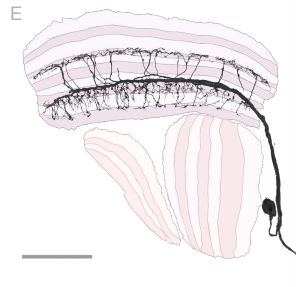
MeVPM13 (R)



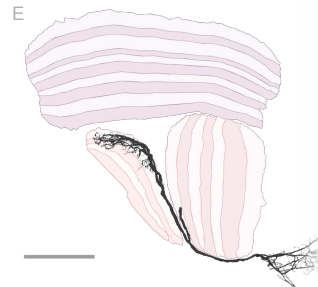
MeVPOL1 (L)



MeVPOL1 (R)



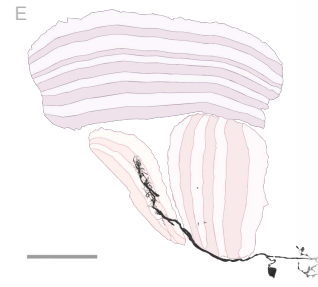
Nod1 2



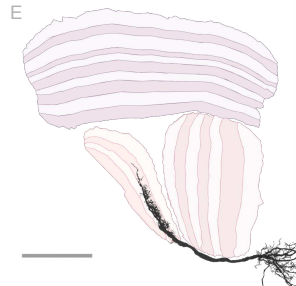
Nod2



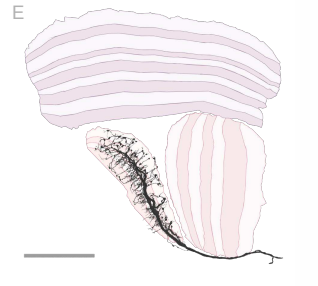
Nod3



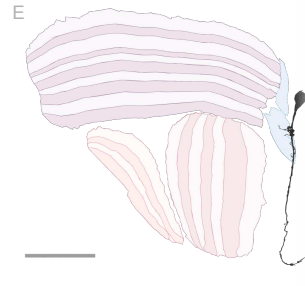
Nod4



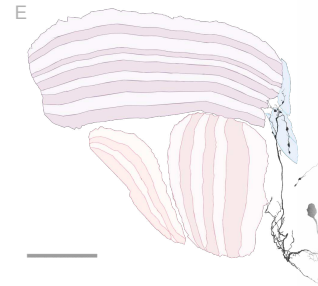
Nod5



s-LNv 4



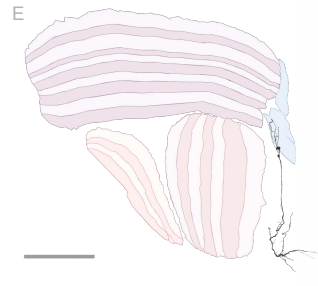
SLP249 2



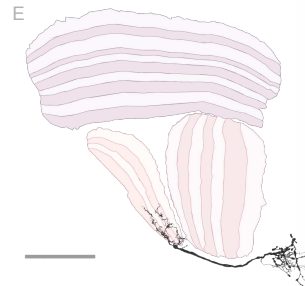
SLP250



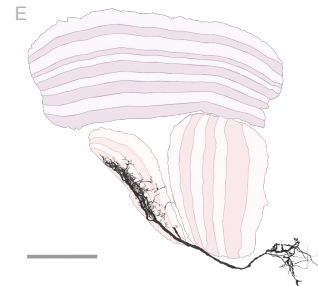
SMP217 2



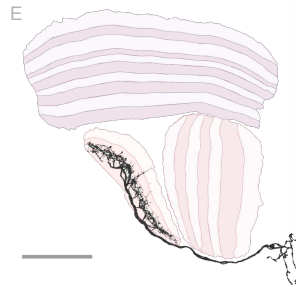
vCal1



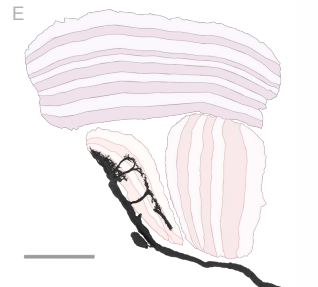
vCal2



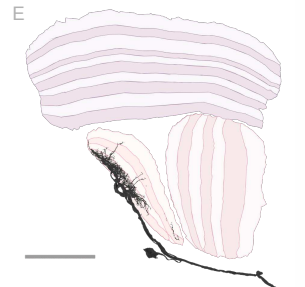
vCal3



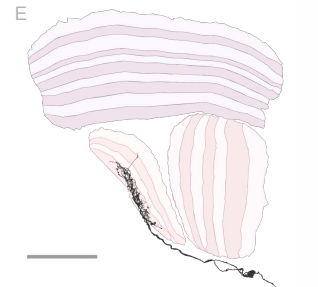
VS 9



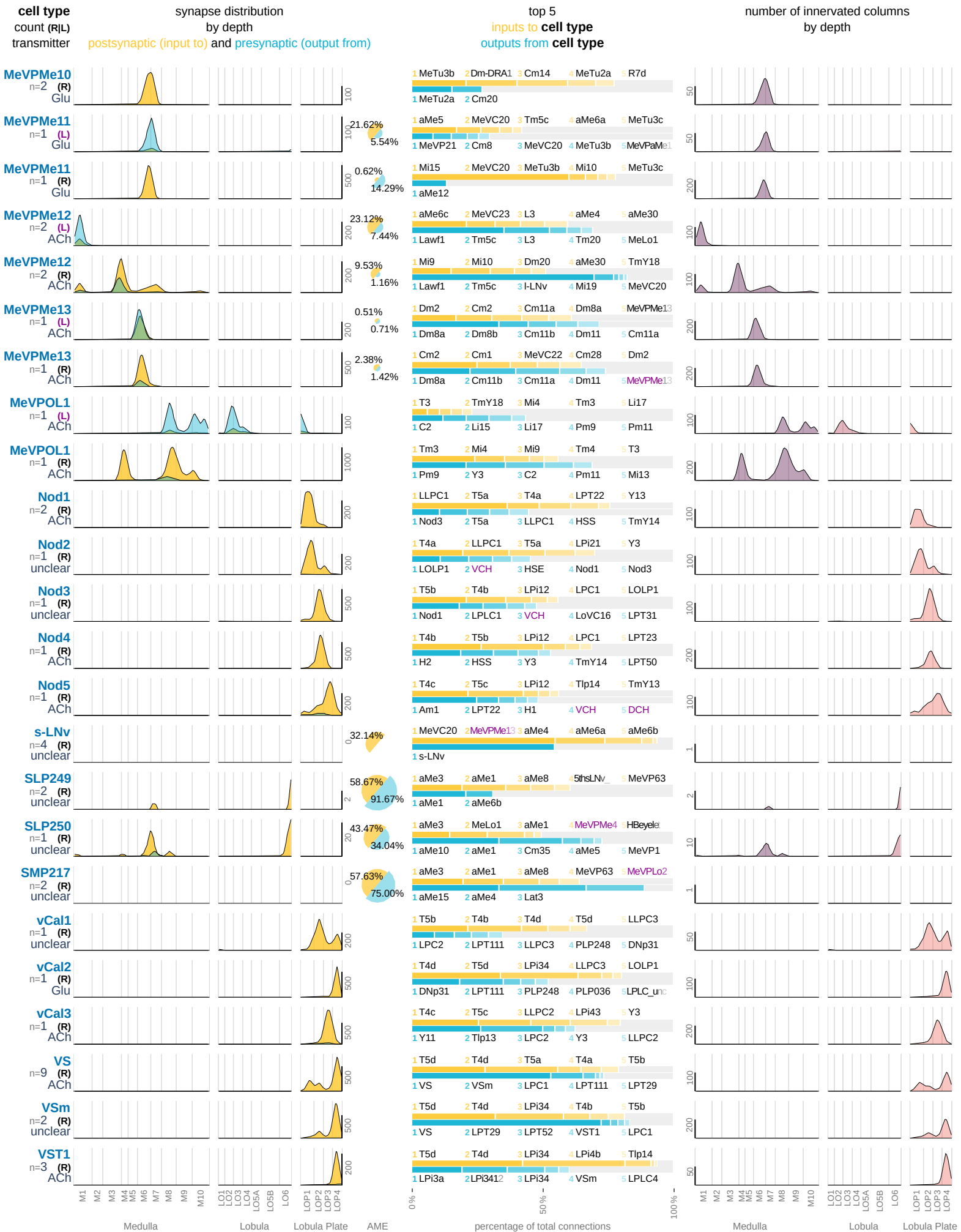
VSm 2



VST1 3

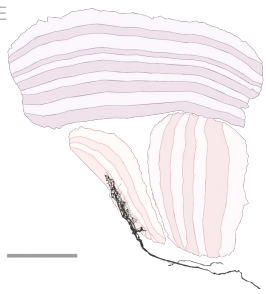


Visual Projection Neurons 16 / 17

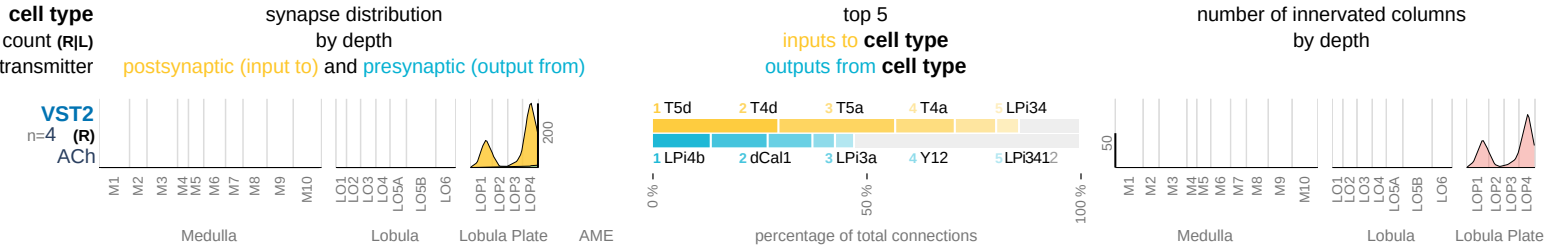


VST2 4

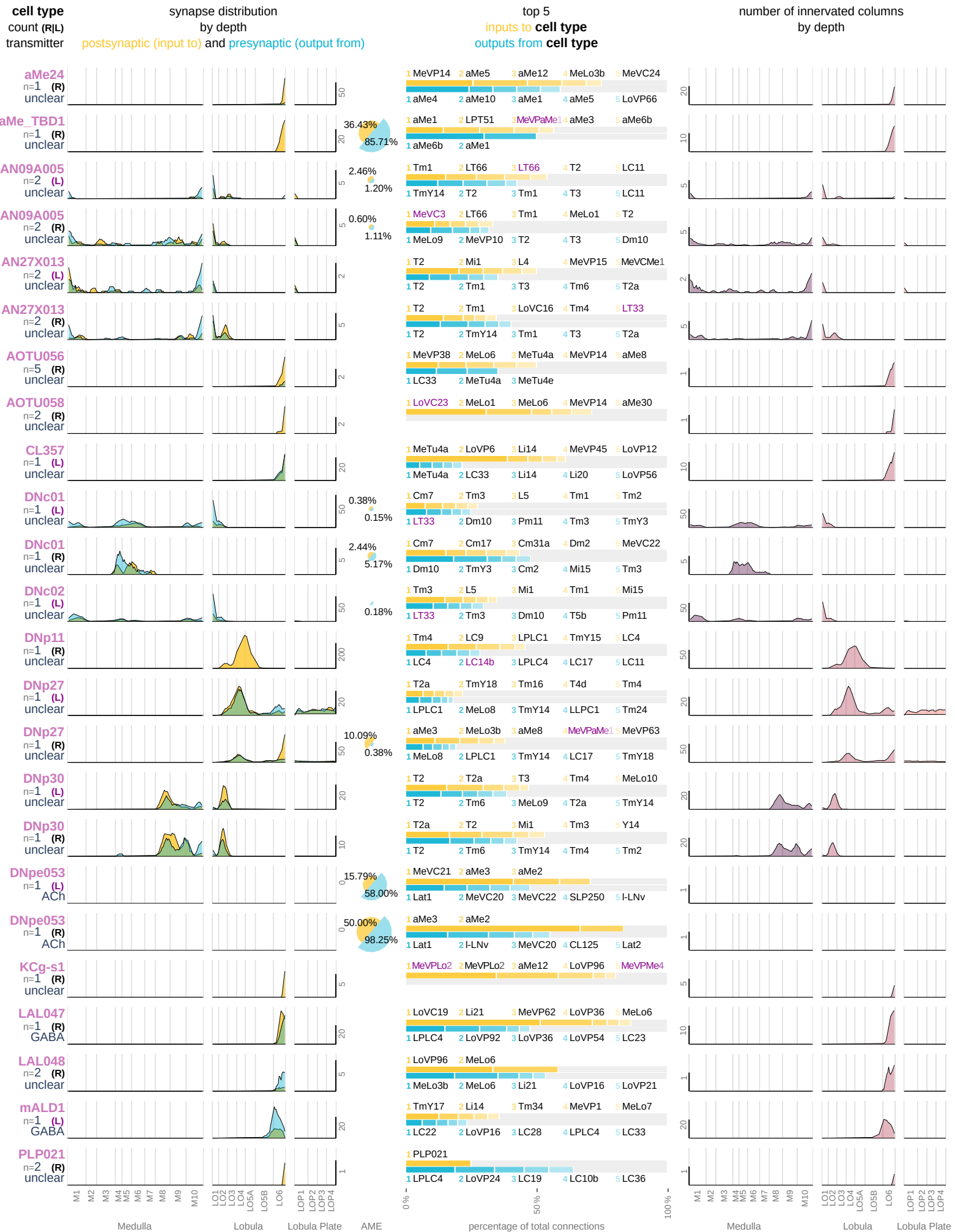
E



Visual Projection Neurons 17 / 17



Other Visual Neurons 1 / 2



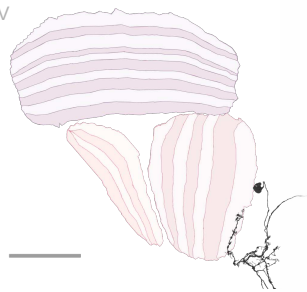
PLP032

E



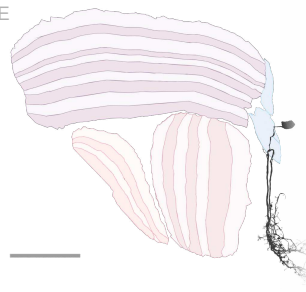
PLP036

V



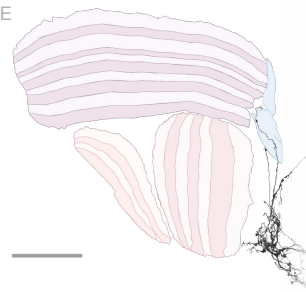
PLP069 2

E



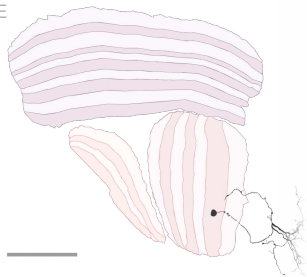
PLP080

E



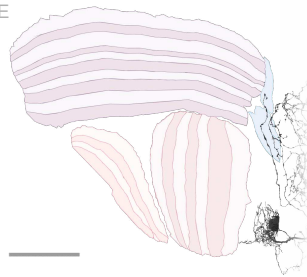
PLP150 6

E



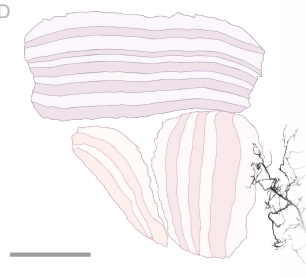
PLP211

E



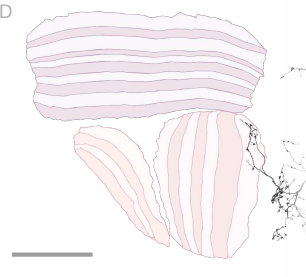
PLP231 2

D



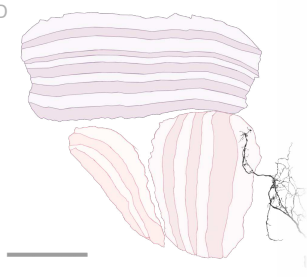
PLP_TBD1

D



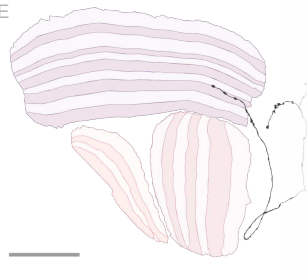
PS272 2

D



PVLP046 (L) 6

E



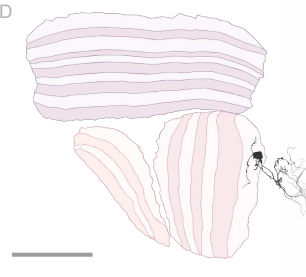
PVL P046 (R) 5

E



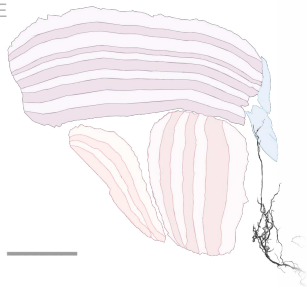
SLP359

D



SMP200

E



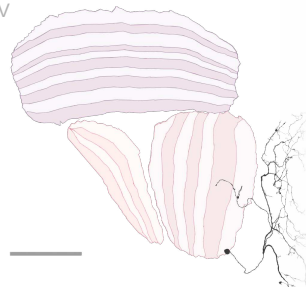
SMP528

D



VLP_TBD1

V



Other Visual Neurons 2 / 2

