Supplementary Data

A weighted and directed interareal connectivity matrix for macaque cerebral cortex

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1) Supplementary materials and methods

Surgery and histology. Surgical and histology procedures were in accordance with European requirements 86/609/EEC and were approved by the appropriate veterinary and ethical authorities. A detailed description of the injection, surgical and histological procedures are given elsewhere (Barone et al. 2000; Markov et al. 2011). Experiments were carried out in cynomolgus (*Macaca fascicularis*) and one rhesus macaque monkey. A total of 39 injections were performed in 28 monkeys (**Table S2**). Data from the V1, V2 and V4 injections were partially reported in a previous study (Markov et al. 2011).

Following premedication with atropine (1.25 mg, i.m.) and dexamethasone (4 mg, i.m.), monkeys were prepared for surgery under ketamine hydrochloride (20 mg/kg, i.m.) and chlorpromazine (2 mg/kg, i.m.). Anesthesia was continued with halothane or isoflurane in N_2O/O_2 (70/30). Single injections of Diamidino Yellow (DY) and Fast Blue (FsB) (0.1-0.6 micro liters) were made using Hamilton syringes. Stereotypic elongated injections (2 to 4mm) were made in the cortical gray matter at a shallow angle to the cortical surface; tracer was delivered at regular intervals as the needle was retracted thereby aiming to leave a bolus of tracer in the cortex. Injection sites are shown in **Figures S1 and S6**. Injection of areas in non-exposed cortical regions was aided by an image-guided stereotaxic system (Brainsight® Frameless, Rogue Research Inc.) (Frey et al. 2004). The target area was identified on MRI 1.5-Tesla scans. Visualization of sulcal landmarks in a 3D reconstruction of the monkey brain and in selected planes allowed control and optimization of the trajectory for injection. Prior to an MRI scan, the monkey was fitted with bone implanted fiducial markers. During the tracer injection procedure, the Brainsight® system matched online the positions of the fiducial markers with the MRI image thereby estimating the trajectory of the injection needle with respect to a designated target site.

After a survival period of 11-13 days, animals were deeply anesthetized before being perfused with 4-8% paraformaldehyde / 0.05% glutaraldehyde in phosphate buffer (0.1 M, pH=7.4). Cryoprotection was ensured by sucrose (Kennedy and Bullier 1985) or glycerol perfusion gradients (Rosene et al. 1986). Brains were removed, kept in the cryoprotecting liquid overnight or until sinking. Horizontal or coronal 40µm thick sections were cut on a freezing microtome (**Table S2**). Sections at regular intervals were reacted for cytochrome oxidase and acetylcholinesterase activity (Barone et al. 2000) and sternberger monoclonals incorporated-32 (SMI-32) (Hof and Morrison 1995). Every third section was mounted on gelatinized glass slides and used to explore projection pathways.

Charting labeled neurons and 3D reconstruction of injection sites. We refer to the injected area as the target area and the areas containing labeled neurons as the source areas. The restricted region of the source area containing the labeled cells is the projection zone (Barone et al. 2000). The uptake zone of the dye corresponds to the zone of dense extracellular label immediately surrounding the needle tract and in some cases containing necrotic cells (see supplementary information in (Markov et al. 2011) for a detailed consideration of the uptake zone). Injection sites and their relationship to areal borders and underlying white matter are shown in line drawing of multiple sections through each injection site (**Figure S6**). 3D reconstructions of the 4 injection sites in area 10 from the stack of sections containing the injection site were generated using the Module Map3D program in ExploraNova®

Sections were analyzed without coverslipping using an oil-immersion objective and a magnification of 200-250 under ultraviolet light with a Leica fluorescent microscope equipped with a D-filter set (355–425 nm). Retrogradely labeled neurons were identified using standard criteria (Keizer et al. 1983) to distinguish FsB (blue label mainly in cytoplasm) and DY (yellow label mainly in nucleus). Some earlier studies presumably missed connections due to inspection not spanning the entire hemisphere. Here we examined connectivity throughout the whole hemisphere that was injected. Of the 1 in 3 sections retained for charting neurons, typically 1 in 2, were systematically examined to identify the areas containing labeled neurons (**Table S2**).

Sampling procedures. For 4 injections, charts were made on a X-Y plotting table electronically coupled to the microscope stage (**Table S2**). This generated maps of labeled neurons on large sheets of paper that were matched to projections of the subsequently stained section so as to

locate cortical layers and landmarks. These 4 brains and all the remaining brains were subsequently investigated using the superior Mercator® software package running on ExploraNova® technology (**Table S2**). This much-improved system stores digitized charts of whole brain sections with accurate counts and coordinates of all labeled neurons, making it possible to view charted sections at different magnifications.

The complexity of cortical folds and the spatial heterogeneity of labeling in source areas necessitates a controlled sampling and counting of neurons at closely spaced intervals throughout the projection zone of each area containing labeled neurons. Histograms of the number of labeled neurons per section (density profiles) were generated (see methods as well as Figure S1 in Markov et al., 2011). Inspection of the density profiles was made so as to ensure that sampling frequency was adequate. When sufficient numbers of sections have been employed the contours of the density profile are smooth (Batardiere et al. 1998; Vezoli et al. 2004). For spare connections all sections retained for charting neurons were explored, whereas the sampling frequency was as low as 1/4 for strong projections. Thus, the spacing between sections used for cell counting was between 0.12 and 0.48 mm. Neuronal counts were adjusted to reflect 1/1 (0.12 mm spacing) for all projections, thereby compensating for sampling nonuniformities. In the Results section of the paper, when frequency of examination is mentioned it is with respect to the sections retained and not the total number of sections. Likewise, when the number of interpolated neurons are mentioned it refers to the number of neurons estimated for the 1 in 3 sections that were retained for plotting and would therefore be predicted to be approximately 1/3 of the total labeled neurons in the hemisphere. A detailed record of the areas and sampling rates allowed accurate book-keeping for areas of different weights. The weight values (FLNe see definition below) for all pathways are reported in **Table S6** along with relevant citations. The scale bars in the figures represent distances measured in the processed sections, without correction for tissue shrinkage.

For a conventional stereological analysis, a 'guard zone' at the top and bottom of the section would be used to exclude cells that were only partially contained within the section. Because our analysis is based on ratios of labeled neurons, not on absolute numbers, the potential gain would be very minor in relation to the observed variance and uncertainty of connection strengths, We elected not to do this, especially because the need to focus carefully on every labeled neuron throughout every section would have added an impractical burden in terms of the time needed to score each section.

Parcellation of the M132 cortical atlas. The majority of brains were sectioned in the coronal plane. So as to align the plane of section to that used in our atlas, a 7T MRI scan was made of the M132 brain that was used to create the atlas. ITK-SNAP software http://www.itksnap.org makes it possible to shade a region of interest in a given plane and view this region in an alternative plane. This proved to be extremely powerful for identifying areas in horizontal and parasagittal planes with respect to the M132 atlas as well as for compensating for small deviations form the optimal coronal plane of section.

Localization of injection sites and labeled neurons was based on a new reference atlas that includes 91 cortical areas mapped to the left hemisphere of case M132. The cortical parcellation was based on a combination of histological criteria (Markov et al. 2011) and atlas-based landmarks (Paxinos et al. 2000; Saleem and Logothetis 2007). **Figure 1A** shows this parcellation displayed on medial and lateral views of the M132 left hemisphere surface, generated from contours running through the cortical midthickness (layer 4). **Figure 1B-D** shows the same parcellation after landmark-based surface registration to the macaque F99 atlas, displayed on a midthickness, inflated, and flat map surfaces (Van Essen 2004; Van Essen et al. 2011a). Section contours for the complete atlas parcellation are shown in **Figure S7**.

The M132 parcellation is similar to the previously published M129 atlas (Markov et al. 2011) but differs in the following respects. It includes area 7op in the upper limb of the lateral sulcus caudal to area SII (Pandya and Seltzer 1982; Preuss and Goldman-Rakic 1991). Area PO is split into separate areas V6 and V6A (Colby et al. 1988; Luppino et al. 2005). Area STP is subdivided into STPr (rostral), STPi (intermediate), and STPc (caudal) (Cusick et al. 1995; Padberg et al. 2003). Areas PGm and PEcg are combined into area 7m in the medial parietal cortex (Pandya and Seltzer 1982; Morecraft

et al. 2004; Margulies et al. 2009). In ventrolateral prefrontal cortex, area 45A is distinguished rostral to area 45B and ventral to the principal sulcus (Gerbella et al. 2010). A finer-grained subdivision of area 8 in the arcuate sulcus enabled demarcation of a small area 45B ventral to area 8/FEF and a small reported non-saccadic strip lining the caudal tip of the principal sulcus which we refer to as 8r (Gerbella et al. 2007). Area 8/FEF is subdivided into a medial large saccade-related area, area 8m, and a lateral small saccade-related area, area 8l (Schall et al. 1995; Sommer and Wurtz 2000). Area TE was subdivided into area TEa/m p, TEa/m a, TEpd, TEpv, TEad and TEav. The region immediately dorsal to TEO and buried in the ventral bank of STS is identified as area TEOm. Areal boundaries in individual hemispheres were generally based on geographical correspondences with the M132 atlas sections (**Figure S7**). In some cases involving V1 and V2 injections, histological assessment of areal limits did not significantly change the parcellation or the areal FLNe values, thereby supporting the use of geographical delineation of areal limits for determining the FLNe of cortical projections (Markov et al. 2011).

Having the M132 parcellation mapped to the F99 atlas (**Figure 1B-D**) in a freely available dataset can facilitate comparisons of our results with numerous published parcellations that have also been mapped to the F99 atlas (Van Essen et al. 2011a). As an additional aid to objective analysis of our data, we charted the estimated location of all injection sites on the atlas surface.

To localize injection sites on the F99 atlas surface, we used information about injection site centers in relation to anatomical landmarks as well as areal boundaries that had been mapped onto the histological section contours of each individual hemisphere. The center of each injection was localized relative to areal boundaries and anatomical landmarks within the section containing the injection center and also in relation to the distance from the areal boundaries and anatomical landmarks along the axis orthogonal to the sectioning plane. These estimates of relative position within the injected hemisphere were used to position the injection site relative to areal boundaries on the atlas surface. The x, y, z coordinates of the estimated injection site locations are reported in **Table S7**. While there are some uncertainties in this process, the reported coordinates are likely to be accurate within 5 mm in most cases.

Estimating symmetry of bidirectional connections. To evaluate the similarity of FLNe values between reciprocally connected areas, we used the negative binomial cumulative distribution function to calculate a 95% confidence interval for the number of neurons observed, taking the observed number as an estimate of the population mean. To transform these numbers to FLNe values, we divided by the total number of neurons labeled by the injection. The total number is the sum of negative binomially distributed projections each with the same dispersion parameter and will therefore also be distributed as a negative binomial having the same dispersion. To incorporate this additional source of variability into the calculation, we computed a confidence interval also on the total number of neurons in the injection and took the extreme values of the ratio of the projection and total injection confidence intervals as a confidence interval for the FLNe. This gave values similar to those previously estimated from making repeat injections in 3 early visual areas (Markov et al. 2011). We use the confidence intervals in order to evaluate the symmetry of reciprocal projections. If the confidence values of the FLNe values do not overlap we designate the pathway as asymmetrical.

Ordering of connectivity matrix. A 29 x 91 connectivity matrix was generated that encodes the weights of all observed pairwise connections. The row and column orders of this matrix were based on a simple clustering approach. A distance (or dissimilarity) measure was defined on the basis of the similarity between areas of their weighted inputs and outputs. We used a non-metric, multidimensional scaling (MDS) algorithm (de Leeuw and Mair 2009) on the matrix of distances and ordered the rows and columns by the first component. (The results were nearly the same using a principal components algorithm instead.) Distance between input profiles (outputs) of two areas was defined by first taking the reciprocal of the dot product between their columns (rows) (Jouve et al. 1998). The more similar the set of weights for a given area, the smaller this value. If the areas shared no common inputs (outputs), the distance would be infinity, but we observed no areas for which this situation arose. We ordered the matrix in two sweeps, first ordering the rows on the basis only of the output (row) distances, followed by ordering the columns only on the basis of the input (column) distances. The order of these two operations had no effect on the final matrix configuration.

Data availability. The datasets associated with the surface-based analyses shown in **Figures 1, 7 and S1** are available at:

http://sumsdb.wustl.edu:8081/sums/directory.do?id=8287442&dir_name=MARKOV_CC12

Reference

Barone P, Batardiere A, Knoblauch K, Kennedy H. 2000. Laminar distribution of neurons in extrastriate areas projecting to visual areas V1 and V4 correlates with the hierarchical rank and indicates the operation of a distance rule. J Neurosci. 20: 3263-3281.

Batardiere A, Barone P, Dehay C, Kennedy H. 1998. Area-specific laminar distribution of cortical feedback neurons projecting to cat area 17: quantitative analysis in the adult and during ontogeny. J Comp Neurol. 396: 493-510.

Colby CL, Gattass R, Olson CR, Gross CG. 1988. Topographical organization of cortical afferents to exstrastriate visual area PO in the macaque: a dual tracer study. J Comp Neurol. 269: 392-413.

Cusick CG, Seltzer B, Cola M, Griggs E. 1995. Chemoarchitectonics and corticocortical terminations within the superior temporal sulcus of the rhesus monkey: evidence for subdivisions of superior temporal polysensory cortex. J Comp Neurol. 360: 513-535.

de Leeuw J, Mair P. 2009. Multidimensional Scaling Using Majorization: SMACOF in R. J Stat Soft. 31: 1-30, URL http://www.jstatsoft.org/v31/i03/.

Frey S, Comeau R, Hynes B, Mackey S, Petrides M. 2004. Frameless stereotaxy in the nonhuman primate. Neuroimage. 23: 1226-1234.

Friendly M. 1994. Mosaic displays for multi-way contingency tables. J Am Stat Assoc. 89: 190-200

Gerbella M, Belmalih A, Borra E, Rozzi S, Luppino G. 2007. Multimodal architectonic subdivision of the caudal ventrolateral prefrontal cortex of the macaque monkey. Brain Struct Funct. 212: 269-301.

Gerbella M, Belmalih A, Borra E, Rozzi S, Luppino G. 2010. Cortical connections of the macaque caudal ventrolateral prefrontal areas 45A and 45B. Cereb Cortex. 20: 141-168.

Hof PR, Morrison JH. 1995. Neurofilament protein defines regional patterns of cortical organization in the macaque monkey visual system: a quantitative immunohistochemical analysis. J Comp Neurol. 352: 161-186.

Jouve B, Rosenstiehl P, Imbert M. 1998. A mathematical approach to the connectivity between the cortical visual areas of the macaque monkey. Cereb Cortex. 8: 28-39.

Keizer K, Kuypers HGJM, Huisman AM, Dann O. 1983. Diamidino Yellow dihydrochloride (DY 2HCl): a new fluorescent retrograde neuronal tracer, which migrates only very slowly out of the cell. Exp Brain Res. 51: 179-191.

Kennedy H, Bullier J. 1985. A double-labeling investigation of the afferent connectivity to cortical areas V1 and V2 of the macaque monkey. J Neurosci. 5: 2815-2830.

Luppino G, Hamed SB, Gamberini M, Matelli M, Galletti C. 2005. Occipital (V6) and parietal (V6A) areas in the anterior wall of the parieto-occipital sulcus of the macaque: a cytoarchitectonic study. Eur J Neurosci. 21: 3056-3076.

Margulies DS, Vincent JL, Kelly C, Lohmann G, Uddin LQ, Biswal BB, Villringer A, Castellanos FX, Milham MP, Petrides M. 2009. Precuneus shares intrinsic functional architecture in humans and monkeys. Proc Natl Acad Sci U S A. 106: 20069-20074.

Markov NT, Misery P, Falchier A, Lamy C, Vezoli J, Quilodran R, Gariel MA, Giroud P, Ercsey-Ravasz M, Pilaz LJ, Huissoud C, Barone P, Dehay C, Toroczkai Z, Van Essen DC, Kennedy H, Knoblauch K. 2011. Weight Consistency Specifies Regularities of Macaque Cortical Networks. Cereb Cortex. 21: 1254-1272.

Morecraft RJ, Cipolloni PB, Stilwell-Morecraft KS, Gedney MT, Pandya DN. 2004. Cytoarchitecture and cortical connections of the posterior cingulate and adjacent somatosensory fields in the rhesus monkey. J Comp Neurol. 469: 37-69.

Padberg J, Seltzer B, Cusick CG. 2003. Architectonics and cortical connections of the upper bank of the superior temporal sulcus in the rhesus monkey: an analysis in the tangential plane. J Comp Neurol. 467: 418-434.

Pandya DN, Seltzer B. 1982. Intrinsic connections and architectonics of posterior parietal cortex in the rhesus monkey. J Comp Neurol. 204: 196-210.

Paxinos G, Huang XF, Toga AW. 2000. The rhesus monkey brain in stereotaxic coordinates. San Diego, CA: Academic Press.

Preuss TM, Goldman-Rakic PS. 1991. Myelo- and cytoarchitecture of the granular frontal cortex and surrounding regions in the strepsirhine primate Galago and the anthropoid primate Macaca. J Comp Neurol. 310: 429-474.

Rosene DL, Roy NJ, Davis BJ. 1986. A cryoprotection method that facilitates cutting frozen sections of whole monkey brains for histological and histochemical processing without freezing artifact. J Histochem Cytochem. 34: 1301-1315.

Saleem KS, Logothetis NK. 2007. A combined MRI and histology atlas of the rhesus monkey brain in stereotaxic coordinates. Amsterdam ; Boston: Elsevier/Academic Press. ix, 326 p.
Schall JD, Morel A, King DJ, Bullier J. 1995. Topography of visual cortex connections with frontal eye field in macaque: Convergence and segregation of processing streams. J Neurosci. 15: 4464-4487.
Sommer MA, Wurtz RH. 2000. Composition and topographic organization of signals sent from the frontal eye field to the superior colliculus. J Neurophysiol. 83: 1979-2001.
Van Essen DC. 2004. Surface-based approaches to spatial localization and registration in primate cerebral cortex. Neuroimage. 23 Suppl 1: S97-107.
Van Essen DC, Glasser MF, Dierker D, Harwell J. 2011a. Cortical Parcellations of the macaque monkey analyzed on surface-based atlases. Cereb Cortex. Nov 2. [Epub ahead of print]. doi: 10.1093/cercor/bhr290.
Vezoli J, Falchier A, Jouve B, Knoblauch K, Young M, Kennedy H. 2004. Quantitative analysis of connectivity in the visual cortex: extracting function from structure. Neuroscientist. 10: 476-482.

2) Supplementary tables

Table S1. Newfound projections and bibliographical references to known projections.

ENTO: Entorhinal, PERI: Perirhinal, PIRI: Piriform, Pole: Temporal Pole, SUB: Subiculum.
Details of the bibliographic references for individual projections are given in Table S6.

AREA	KNOWN	Ref.	NFP
V1	V2, V3, V3A, V4, V4t, LIP, PIP, STPi, STPc, PGa, FST, MST, MT, TEO, TEOm, PERI, TEpd, TEpv, TEa/mp, TH/TF, CORE, MB, LB, PBc, 8l	(*1-15*)	7op, DP, STPr, TPt, IPa, TEad, TEav, TEa/ma, 8r
V2	V1, V3, V3A, V4, V4t, LIP, PIP, DP, STPr, STPc, PGa, FST, MST, MT, TEO, TEOm, TEpv, TEa/ma, TEa/mp, TH/TF	(*1, 3, 6-7, 9-11, 13, 14, 16-21*)	VIP, V6, V6A, STPi, TPt, IPa, PERI, TEad, TEav, TEpd, MB, PBc, 8l, 8m
V4	V1, V2, V3, V3A, V4t, 7A, LIP, PIP, DP, FST, MT, TEO, TEOm, PERI, TEad, TEav, TEpd, TEpv, TEa/ma, TEa/mp, TH/TF, 8l, 8r	(*2-4, 9-11, 13, 17, 19-24, 25*)	STPr, STPi, STPc, PGa, IPa, MST, ENTO, LB, INSULA, 9/46d, 9/46v, 45B
TEO	V2, V3, V3A, V4, V4t, 7A, 7B, LIP, DP, STPr, STPi, STPc, PGa, IPa, FST, MST, MT, TEOm, PERI, TEad, TEav, TEpd, TEpv, TEa/ma, TEa/mp, TH/TF, POLE, 46v, 9/46v, 8B, 8l, 8r, 45B, 45A, 12	(*3-4, 17, 19, 21-33*)	MIP, PIP, 5, 7m, ENTO, MB, LB, PBr, PBc, Parainsula, INSULA, 1, 2, 3, 23, 24a, 24b, 24d, F2, F7, F5, ProM, 46d, 9/46d, 44, 11
9/46d	V2, Pro.St., 7op, 7A, 7B, LIP, 5, 7m, STPr, STPi, STPc, POLE, LB, PBr, PBc, INSULA, 2, 23, 24a, 24b, 24c, 29/30, 31, 32, F2, F7, F6, F5, ProM, 10, 9, 46d, 46v, 9/46v, 8B, 8m, 8r, 45B, 45A, 11, 14, 12, 13	(*24, 34-48*)	V3, V4, VIP, MIP, PIP, DP, V6, V6A, TPt, PGa, FST, MST, MT, TEO, PERI, TEad, TEav, TEa/ma, TEa/mp, CORE, MB, Parainsula, Gu, SII, 24d, F1, F3, F4, 8l, 44, OPRO, OPAI
F5	7op, 7A, 7B, LIP, AIP, 5, TEa/ma, POLE, Parainsula, INSULA, Gu, SII, 1, 2, 3, 24a, 24b, 24c, 24d, F1, F2, F7, F3, F6, F4, ProM, 46d, 46v, 9/46d, 9/46v, 8B, 8l, 8m, 8r, 45B, 44, 12, 13	(*35-38, 44, 47- 55*)	V1, V2, V3, MIP, V6, V6A, 7m, STPr, STPi, STPc, TEOm, PERI, TEav, TEpd, TEpv, TEa/mp, ENTO, TH/TF, SUB, CORE, MB, LB, PBr, 23, 29/30, 32, 10, 9, 45A, OPRO, OPAI, 11, 14, 25
8m	V2, V3, V3A, V4, V4t, 7A, 7B, LIP, VIP, DP, 5, STPi, STPc, TPt, PGa, IPa, FST, MST, MT, TEpd, TEpv, TH/TF, POLE, CORE, MB, LB, PBr, PBc, INSULA, 3, 23, 24a, 24b, 24c, 29/30, 31, F2, F7, F6, F4, 9, 46d, 46v, 9/46d, 9/46v, 8B, 8l, 8r, 45B, 45A, 12	(*3, 20, 24, 26, 29, 33, 34, 36, 37, 39, 41, 42, 44, 47, 54-57*)	7op, MIP, PIP, AIP, V6A, 7m, STPr, TEOm, PERI, TEa/ma, TEa/mp, ENTO, Parainsula, Gu, SII, 2, 24d, 32, F1, F3, F5, ProM, 10, 44, OPRO, OPAI, 11, 14, 13
7A	V2, V4, 7B, LIP, VIP, MIP, PIP, DP, V6, V6A, 5, 7m, STPr, STPi, STPc, TPt, PGa, IPa, FST, MST, MT, TEO, TEOm, PERI, TEpd, TEpv, TEa/ma, TEa/mp, ENTO, TH/TF, POLE, LB, INSULA, 2, 23, 24a, 24b, 29/30, 31, F2, F7, F3, F5, 9, 46d, 46v, 9/46d, 9/46v, 8B, 8l, 8m, 45B, 45A, 12, 13	(*3, 18, 22-25, 27, 29, 33, 41, 45, 47, 58-67*)	V1, V3A, TEav, MB, F1
DP	V2, V3, V3A, V4, 7A, LIP, VIP, MIP, PIP, V6, V6A, 7m, MST, MT, TEO, TEpd, TEpv, TH/TF, 23, 29/30, 9, 46d, 8B, 8m, 8r, 45B	(*3, 9, 11, 20, 23, 24, 29, 42, 62, 68*)	V1, V4t, Pro.St., STPr, STPi, STPc, TPt, PGa, IPa, FST, TEOm, PERI, TEad, TEav, TEa/ma, TEa/mp, ENTO, SUB, PBc, INSULA, 24b, 24c, 31, F2, F7, F4, F5, 46v, 9/46d, 45A, 12
2	7op, 7A, 7B, LIP, VIP, AIP, INSULA, SII, 1, 3, 24b, 24d, F1, F3, F4, F5, ProM, 9/46v, 44	(*3, 35, 37, 51, 55, 69, 70*)	PERI, TEav, TEa/ma, ENTO, POLE, MB, LB, Gu, 24c, 31, 46d, OPRO, OPAI, 12, 13, PIRI
5	7op, 7A, 7B, LIP, VIP, MIP, AIP, 7m, MST, INSULA, 1, 2, 3, 23, 24b, 24d, 29/30, 31, F1, F2, F7, F3, F6, F5, 46d	(*3, 24, 35, 43, 62, 64, 69, 71-73*)	STPi, TPt, PERI, TEa/ma, ENTO, POLE, MB, 24a, 12

AREA	KNOWN	Ref.	NFP
7B	7op, 7A, LIP, VIP, MIP, AIP, V6A, 5, 7m, STPr, STPi, STPc, TPt, MST, MT, TEa/ma, MB, INSULA, SII, 2, 23, 24b, 24c, 24d, F1, F2, F3, F4, F5, ProM, 46v, 9/46d, 9/46v, 8m, 45B, 44, 12	(*3, 18, 22, 35, 47, 51, 60, 62, 67, 74-75*)	V2, PGa, PERI, TEpv, TH/TF, LB, PBc
STPr	7A, STPi, STPc, TPt, PGa, IPa, FST, MST, MT, PERI, TEad, TEpv, TEa/ma, ENTO, TH/TF, POLE, MB, LB, PBr, PBc, Parainsula, 23, 29/30, 32, 10, 9, 46d, 46v, 9/46d, 9/46v, 45B, 45A, 11, 14, 25, 12, 13	(*3, 25, 32, 38, 39, 42, 45, 64, 66, 76-81*)	V2, V4, Pro.St., LIP, DP, TEO, TEOm, TEav, TEpd, TEa/mp, SUB, CORE, INSULA, Gu, 24a, 24b, 24c, F1, F2, F7, F4, 8B, 8l, 8m, 8r, 44, OPRO, OPAI, PIRI
STPi	Pro.St., LIP, STPr, STPc, TPt, PGa, MST, MT, PERI, TEav, TH/TF, POLE, CORE, MB, LB, PBr, PBc, Parainsula, 23, 24c, 29/30, 32, 10, 9, 46d, 46v, 9/46d, 8m, 14, 25, 12, 13	(*19-20, 25, 35, 38, 39, 42-43, 45, 47, 64, 66, 76, 78-80*)	V4t, IPa, TEpd, TEa/ma, TEa/mp, INSULA, Gu, 24d, F7, F6, 8B, 45A, OPRO, 11
STPc	V2, V4, Pro.St., 7op, 7A, 7B, LIP, PIP, 5, 7m, STPr, STPi, TPt, PGa, IPa, FST, MST, MT, PERI, TEav, TH/TF, POLE, MB, PBr, PBc, INSULA, 23, 29/30, 31, 46d, 46v, 9/46d, 8B, 8l, 8m, 8r, 45B, 45A, 12	(*3, 20, 22, 24, 25, 35, 39, 42, 45, 47, 62, 64, 76-77, 79*)	V3A, VIP, DP, V6A, TEO, TEOm, TEad, TEpd, TEpv, TEa/ma, TEa/mp, ENTO, SUB, CORE, LB, Parainsula, 2, 24b, 24c, F7, F6, F5, 10, 9, 13
PBr	STPr, STPi, STPc, TPt, PGa, IPa, FST, PERI, TH/TF, POLE, CORE, MB, LB, PBc, Parainsula, INSULA, 23, 24b, 24c, 32, F7, 10, 9, 46d, 46v, 9/46d, 8m, 45A, OPRO, OPAI, 11, 14, 25, 12, 13	(*19, 25, 38, 40, 42, 45, 65, 79-85*)	V2, V4, Pro.St., 7A, LIP, DP, 7m, MST, ENTO, SUB, 24a, 24d, 29/30, 31, F6, ProM, 8B, 8l, 8r, 45B, PIRI
TEpd	V2, V4, V4t, 7A, LIP, STPr, PGa, IPa, FST, MST, MT, TEO, TEOm, PERI, TEad, TEav, TEpv, TEa/ma, TEa/mp, ENTO, TH/TF, POLE, 46d, 46v, 9/46v, 8l, 8m, 8r, 45B, 45A, 44, OPRO, OPAI, 12, 13	(*3, 19, 25-27, 29, 32, 33, 38, 65, 66, 86, 87)*	V3, V3A, Pro.St., PIP, DP, STPi, STPc, CORE, MB, LB, PBr, Parainsula, INSULA, SII, 3, 23, 24a, 24b, F6, F5, 11, PIRI
24c	7op, 7A, 7B, VIP, 5, 7m, STPr, STPi, STPc, IPa, MST, INSULA, SII, 1, 2, 3, 23, 24a, 24b, 24d, 29/30, 31, 32, F1, F2, F7, F3, F6, F4, F5, ProM, 10, 9, 46d, 46v, 9/46d, 9/46v, 8B, 8l, 8m, 8r, 45B, 44, OPRO, 11, 12	(*35-38, 44-47, 55, 64, 88-93*)	LIP, MIP, V6, V6A, TEpv, CORE, LB
F1	7op, 7A, 5, STPc, MB, INSULA, 1, 2, 3, 23, 24b, 24c, 24d, 29/30, F2, F7, F3, F6, F4, F5, ProM, 8B, 8m, 44	(*3, 37, 50, 51, 55, 69, 70, 88, 90, 94-101*)	MST, 9
F2	7op, 7A, 7B, LIP, VIP, MIP, AIP, 5, 7m, STPi, STPc, TPt, MST, Parainsula, INSULA, SII, 3, 23, 24a, 24b, 24c, 24d, 31, F1, F7, F3, F6, F4, F5, 46v, 9/46d, 9/46v, 8B, 8l, 8m, 8r, 44	(*34-37, 39, 44, 47, 52, 55, 70, 73, 88, 92, 95, 99, 102-105*)	STPr, PGa, IPa, MT, PERI, TEa/ma, POLE, MB, PBr, ProM, 45B, OPRO, 12, 13
F7	7op, 7A, 7B, LIP, 5, 7m, STPr, STPi, STPc, TPt, PGa, IPa, FST, MST, TEa/ma, TEa/mp, POLE, PBc, Parainsula, INSULA, SII, 23, 24a, 24b, 24c, 24d, 31, 32, F1, F2, F3, F6, F4, F5, ProM, 10, 9, 46d, 46v, 9/46d, 9/46v, 8B, 8l, 8m, 8r, 45B, 45A, 44, OPRO, 12, 13	(*35- 37, 39, 42, 44, 47, 55, 73, 88, 99, 102, 104-107)*	V2, VIP, TEO, PERI, TEav, MB, PBr, 1, 3, 11, 14
ProM	AIP, PERI, TEa/ma, POLE, INSULA, Gu, SII, 1, 2, 3, 24b, 24c, 24d, F2, F3, F4, F5, 46v, 9/46v, 44, OPRO, OPAI, 12, 13	(*25, 35, 38, 44, 47, 48, 54, 55, 57, 108)*	7op, 7A, 7B, LIP, PGa, TEav, ENTO, MB, 24a, F1, 9, 46d, 11
8l	V2, V3, V3A, V4, V4t, 7op, 7A, 7B, LIP, VIP, MIP, PIP, AIP, DP, V6A, 5, STPr, STPi, STPc, TPt, PGa, IPa, FST, MST, MT,	(*3, 20, 26, 29, 33, 34, 38, 39, 41,*	V1, 7m, TEav, ENTO, SUB, POLE, CORE, MB, PBr, PBc, Parainsula, Gu, SII, 2, 3, 24c, 24d, 29/30, 31, 32, F3, 10,

AREA	KNOWN	Ref.	NFP
	TEO, TEOm, PERI, TEad, TEpd, TEpv, TEa/ma, TEa/mp, TH/TF, LB, INSULA, 23, 24a, 24b, F1, F2, F7, F6, F4, F5, ProM, 9, 46d, 46v, 9/46d, 9/46v, 8B, 8m, 8r, 45B, 45A, 44, 12	*44, 47, 55, 57, 87, 109*)	OPRO, OPAI, 11, 14, 25, 13, PIRI
9/46v	V3, 7op, 7A, 7B, LIP, AIP, V6A, 7m, STPr, STPi, STPc, PGa, IPa, FST, PERI, TEav, TEpv, TEa/ma, TEa/mp, TH/TF, POLE, INSULA, SII, 2, 23, 24a, 24b, 24c, F2, F7, F3, F6, F4, F5, ProM, 46d, 46v, 9/46d, 8B, 8l, 8m, 8r, 45B, 45A, 44, OPRO, OPAI, 11, 14, 12, 13	(*24, 35-38, 44, 47, 48, 54, 55, 57, 66, 87, 109-112)*	VIP, 5, TPt, MST, TEOm, TEad, TEpd, ENTO, MB, PBr, PBc, Parainsula, Gu, 3, 24d, 29/30, 31, 32, F1, 10, 9
46d	7A, LIP, 7m, STPr, STPi, STPc, TH/TF, PBc, 23, 29/30, 31, 32, F7, 10, 9, 46v, 9/46d, 9/46v, 8B, 8l, 8m, 8r, 45A, 14, 12, 13	(*25, 36-39, 42-45, 47, 48, 57, 113*)	V2, V3, 7op, VIP, MIP, DP, V6A, PGa, MST, MT, TEO, TEOm, PERI, TEpd, TEpv, ENTO, POLE, PBr, Parainsula, INSULA, 2, 3, 24a, 24b, 24c, 24d, F1, F2, F3, F6, F4, F5, 44, OPRO, 11
8B	7A, LIP, 7m, STPr, STPi, TH/TF, LB, 23, 24a, 29/30, 31, 32, F2, F7, F6, 10, 9, 46d, 46v, 9/46d, 8l, 8m, 8r, 45B, 45A, 14, 12, 13	(*34, 37-39, 41, 42, 44, 45, 47, 55, 57*)	V4, DP, STPc, PGa, IPa, FST, PERI, TEad, TEa/ma, TEa/mp, ENTO, POLE, CORE, MB, PBr, Parainsula, INSULA, SII, 24b, 24c, 24d, F1, F4, F5, 9/46v, 44, OPRO, OPAI, 11, 25, PIRI
MT	V1, V2, V3, V3A, V4, V4t, 7A, LIP, VIP, MIP, PIP, DP, V6A, STPc, IPa, FST, MST, TEO, TEOm, TEa/mp, 8l, 8m	(*3-4, 9, 11, 13, 14, 17, 19, 20-22, 24, 47, 74, 76, 79, 118*)	Pro.St., STPr, STPi, TPt, PGa, PERI, TEad, TEav, TEpd, TEpv, TEa/ma, TH/TF, SUB, POLE, MB, LB, PBr, INSULA, SII, 1, 2, 23, 24a, 24b, 29/30, 32, F1, F2, F4, F5, ProM, 9/46d, 9/46v, 8r, 45B, 45A, OPRO
7m	V2, V3, 7op, 7A, 7B, LIP, VIP, MIP, PIP, DP, V6, V6A, 5, STPr, STPi, STPc, TPt, MST, MT, PERI, ENTO, TH/TF, MB, INSULA, 1, 2, 3, 23, 24a, 24b, 24c, 24d, 29/30, 31, 32, F1, F2, F7, F3, F6, F5, 9, 46d, 46v, 9/46d, 9/46v, 8B, 8m, 8r, 45B	(*18, 19, 22, 35, 43, 47, 62, 64, 65, 67, 119*)	V1, V3A, V4, Pro.St., AIP, PGa, IPa, FST, TEpd, TEpv, TEa/mp, LB, PBr, PBc, 8l, 44, 11, 14, 25, 12, 13
10	V2, Pro.St., STPr, STPi, STPc, PERI, TEav, TEa/ma, ENTO, TH/TF, POLE, CORE, MB, LB, PBr, PBc, Parainsula, INSULA, 23, 24a, 24b, 24c, 29/30, 31, 32, F5, 9, 46d, 46v, 9/46d, 9/46v, 8B, 8l, 8m, 45B, 45A, 44, OPRO, OPAI, 11, 14, 25, 12, 13	(*25, 36, 38, 41, 42, 44, 46- 48, 54, 57, 64, 114-117)*	7op, 7A, LIP, MIP, PIP, DP, PGa, IPa, FST, MST, TEad, TEpd, TEpv, TEa/mp, SUB, 24d, F1, F2, F7, F3, F6, F4, 8r

Table S2. Animal cases and procedures

A	B	C	D	E	F	G	H
Case	**Animal**	**Hemisphere /Tracers**	**Uptake Volume (mm^3)**	**Injection site**	**Plane of section**	**Paper (P) /Mercator® (M)**	**Frequency of examination of section**
1	M81	LH / DY		V1 central	H	M	1/2
2	M85	LH / FB		V1 central	H	M	1/2
3	M85	RH / FB+DY		V1 central	H	M	1/2
4	M88	RH / FB		V1 central	H	M	1/2
5	M121	RH / DY		V1 central	C	M	1/2
			8.86				
6	M101	LH / DY		V2 central	C	M	1/2
7	M101	RH / FB		V2 central	C	M	1/2
8	M103	LH / DY		V2 central	C	M	1/2
			2.59				
9	M121	RH / FB		V4 central	C	M	1/2
10	M123	LH / DY		V4 central	C	M	1/2
			7				
11	M119	LH / FB	2.56	TEO	C	M	1/2
12	M106	LH / FB	9.28	9/46d	C	M	1/2
13	M106	RH / DY	3.83	F5	C	M	1/2
14	BB272	LH / DY	1.73	8m	C	M	1/2
15	BB135	LH / DY	4.82	7A	H	P/M	1/4
16	M89	LH / DY	3.13	DP	H	M	1/2
17	M98	LH / FB	4.21	2	C	M	1/2
18	M70	LH / FB+DY	5.04	5	H	P/M	1/4
19	M68	LH / DY	1.56	7B	P	M	1/2
20	BB289	LH / FB	1.95	STPr	C	M	1/4
21	BB289	LH / DY	0.42	STPi	C	M	1/4
22	M90	RH / FB	1.33	STPc	H	M	1/4
23	M108	LH / FB	5.32	PBr	C	M	1/2
24	M128	LH / FB	5.88	TEpd	C	M	1/2
25	NICO*	RH / FB	1.94	24c	C	M	1/2
26	M69	LH / DY	6.43	F1	H	P/M	1/4
27	M102	LH / DY	3.1	F2	C	M	1/2
28	M102	LH / FB	2.47	F7	C	M	1/2
29	M98	LH / DY	3.39	ProM	C	M	1/2
30	BB272	RH/ FB	1.82	8l	C	M	1/2
31	M116	RH / FB	2.81	9/46v	C	M	1/4
32	M116	RH / DY	1.35	46d	C	M	1/4
33	M128	LH / DY	2.87	8B	C	M	1/2
34	M131	LH / FB	3.89	10	C	M	1/2
35	M133	LH / DY	4.32	MT	C	M	1/2
36	M136	LH / DY	7.49	7m	C	M	1/2
37	M136	LH / FB	-	10	C	M	1/2
38	M137	LH / FB	-	10	C	M	1/2
39	BB341	LH / FB	-	10	C	M	1/2
40	M132	LH	*Used to build the atlas*		C	M	1/2

*P corresponds to charts of neurons stored on paper, and M to charts made and stored with Mercator® technology (see methods). * Rhesus macaque.*

Table S3: Estimated Probability of occurrence of weak projections following repeat injections in areas V1, V2, V4 and 10.

***Column A**: source and target for each projection; **Column B**: mean number of neurons observed across injections, used as estimate of the population mean; **Column C**: number of injections in which neurons were found; **Column D**: numbers of injections (5 in V1, 3 in V2, 2 in V4, 4 in area 10); **Column E**: dispersion parameter for negative binomial distribution fit to the data from the injection site (V1:6.6; V2:9.7; V4:7.1; area 10:5); **Column F**: estimated probability that no neurons observed from n injections (from Column D); **Column G**: estimated probability that at least one injection yielded no neurons; **Column H**: estimated probability of observing neurons for all injections (1 - Column G). Values of 0 in columns F-H indicate estimates < 1e-3.*

A	B	C	D	E	F	G	H
Pathway Source → Target	Observed mean	Number of cases where labelling is detected	Number of cases injected	θ	P (absence of neurons in all n injections)	P (absence of neurons in at least one of the repeat injections)	P (present in each of the repeat injections)
7A->10	33.25	3	4	5.0	0.000	0.000	1.000
DP->10	22.25	3	4	5.0	0.000	0.001	0.999
8r->V4	9.50	1	2	7.1	0.000	0.005	0.995
INSULA->V4	8.50	2	2	7.1	0.000	0.007	0.993
V6A->V2	7.67	3	3	9.7	0.000	0.011	0.989
LB->V1	7.60	4	5	6.6	0.000	0.031	0.969
ENTORHINAL->V4	7.50	2	2	7.1	0.000	0.012	0.988
9/46v->10	6.75	3	4	5.0	0.000	0.055	0.945
8m->V2	6.67	2	3	9.7	0.000	0.019	0.981
CORE->V1	6.60	2	5	6.6	0.000	0.050	0.950
44->10	6.50	3	4	5.0	0.000	0.061	0.939
MB->V1	5.60	3	5	6.6	0.000	0.084	0.916
PIP->10	4.00	1	4	5.0	0.000	0.195	0.805
45B->V4	4.00	2	2	7.1	0.002	0.082	0.918
F5->10	3.50	2	4	5.0	0.000	0.253	0.747
TEpv->10	3.50	4	4	5.0	0.000	0.253	0.747
TEa/mp->10	3.25	2	4	5.0	0.000	0.289	0.711
TEad->10	3.00	2	4	5.0	0.000	0.330	0.670
STPr->V1	2.80	3	5	6.6	0.000	0.399	0.601
TEpd->10	2.50	3	4	5.0	0.000	0.432	0.568
7op->V1	2.40	1	5	6.6	0.00	0.499	0.501
MB->V2	2.33	3	3	9.7	0.002	0.327	0.673
V2->10	2.00	2	4	5.0	0.001	0.561	0.439
7op->10	2.00	1	4	5.0	0.001	0.561	0.439
F4->10	1.75	3	4	5.0	0.002	0.636	0.364
STPr->V2	1.67	1	3	9.7	0.010	0.516	0.484
9/46v->V4	1.50	1	2	7.1	0.066	0.447	0.553
MST->10	1.50	1	4	5.0	0.005	0.715	0.285
LIP->10	1.25	3	4	5.0	0.012	0.796	0.204
V6->V2	1.00	1	3	9.7	0.058	0.769	0.231
LB->V4	1.00	1	2	7.1	0.154	0.631	0.369
TPt->V1	0.80	1	5	6.6	0.023	0.958	0.042
9/46d->V4	0.50	1	2	7.1	0.380	0.853	0.147
MIP->10	0.50	1	4	5.0	0.149	0.979	0.021
F1->10	0.50	1	4	5.0	0.149	0.979	0.021

A	B	C	D	E	F	G	H
Pathway Source → Target	Observed mean	Number of cases where labelling is detected	Number of cases injected	θ	P (absence of neurons in all n injections)	P (absence of neurons in at least one of the repeat injections)	P (present in each of the repeat injections)
F3->10	0.50	1	4	5.0	0.149	0.979	0.021
PBc->V2	0.33	1	3	9.7	0.374	0.978	0.022
TPt->V2	0.33	1	3	9.7	0.374	0.978	0.022
8r->V1	0.20	1	5	6.6	0.373	1.000	0.000

Table S4. Asymmetrical bidirectional, symmetrical bidirectional and unidirectional connections.

Asymmetrical bidirectional connections	
A	**B**
Pathway	**Weight**
2↔24c	← Medium→Medium
2↔F1	← Medium→Strong
24c↔10	← Medium→Medium
24c↔8l	← Sparse→Medium
24c↔8m	← Sparse→Medium
24c↔9/46v	← Medium→Medium
46d↔8l	← Sparse→Strong
46d↔9/46v	← Medium→Strong
5↔F5	← Medium→Sparse
5↔F7	← Medium→Sparse
7A↔46d	← Strong →Medium
7A↔5	← Strong →Strong
7A↔7B	← Medium→Strong
7A↔8B	← Medium →Medium
7A↔8m	← Strong→Medium
7A↔F5	← Medium →Sparse
7A↔F7	← Sparse →Medium
7A↔STPc	← Strong →Medium
7A↔STPr	← Medium →Medium
7B↔24c	← Sparse →Medium
7B↔7m	← Strong→Sparse
7B↔F2	← Medium→Sparse
7B↔STPc	← Medium→Medium
7m↔24c	← Medium→Strong
7m↔8B	← Strong→Medium
7m↔8m	← Strong→Medium
7m↔PBr	← Sparse→Medium
7m↔STPc	← Strong→Sparse
8B↔10	← Strong→Strong
8B↔8l	← Medium→Strong
8B↔F1	← Sparse→Medium
8B↔DP	← Medium→Medium
9/46v↔8B	← Strong→Medium
9/46v↔8l	← Medium→Strong
DP↔7m	← Medium→Strong
DP↔8m	← Medium→Medium
DP↔9/46d	← Medium→Sparse
DP↔MT	← Strong→Strong
DP↔TEpd	← Medium→Sparse
DP↔V1	← Sparse→Medium
F1↔8m	← Sparse→Medium
F2↔8l	← Sparse→Strong
F2↔8m	← Medium→Strong
F2↔9/46d	← Medium→Strong
F2↔9/46v	← Medium→Medium
F2↔F5	← Strong→Medium
F5↔8l	← Medium→Strong
F5↔8m	← Sparse→Medium
F5↔9/46d	← Sparse→Medium
F5↔ProM	← Strong→Strong
F7↔46d	← Medium→Medium
F7↔8l	← Medium→Strong
F7↔F1	← Medium→Medium
F7↔F5	← Medium→Sparse
MT↔8l	← Medium→Strong
MT↔9/46d	← Sparse→Medium
MT↔TEpd	← Strong→Sparse
PBr↔46d	← Medium→Medium
PBr↔9/46d	← Medium→Medium
PBr↔8l	← Sparse→Medium
PBr↔F7	← Medium→Medium
STPc↔24c	← Sparse→Medium
STPc↔8B	← Medium→Sparse
STPc↔8l	← Medium→Strong
STPc↔9/46d	← Medium→Strong
STPc↔F5	← Medium→Sparse
STPc↔TEpd	← Medium→Sparse
STPi↔8B	← Medium→Strong
STPi↔8m	← Sparse→Strong
STPi↔9/46d	← Medium→Medium
STPi↔F7	← Sparse→Strong
STPr↔46d	← Medium→Medium
STPr↔8B	← Medium→Strong
STPr↔8l	← Sparse→Medium
STPr↔F7	← Sparse→Medium
STPr↔MT	← Sparse→Medium
STPr↔STPi	← Strong→Strong
STPr↔TEO	← Sparse→Medium
TEpd↔8l	← Medium→Medium
TEpd↔9/46v	← Medium→Medium
V2↔8l	← Medium →Medium
V2↔DP	← Medium → Strong
V2↔TEO	← Medium →Strong
V4↔7A	← Sparse →Medium
V4↔DP	← Sparse →Strong
V4↔STPc	← Medium →Medium
V4↔STPr	← Medium →Sparse
V4↔V1	← Strong →Strong

Symmetrical bidirectional connections	
A	**B**
Pathway	**Weight**
2:7A	Sparse
2:7B	Medium
2:9/46v	Strong
2:46d	Sparse
2:F5	Strong
2:ProM	Strong
5:7B	Strong
5:7m	Medium
5:F1	Strong
5:F2	Strong
7A:7m	Strong
7A:8l	Medium
7A:9/46d	Medium
7A:9/46v	Strong
7A:DP	Strong
7A:F1	Medium
7A:F2	Medium
7A:MT	Medium
7A:TEO	Medium
7A:TEpd	Medium
7B:8m	Medium
7B:9/46d	Medium
7B:9/46v	Strong
7B:F5	Strong
7B:ProM	Medium
7m:8l	Medium
7m:9/46d	Strong
7m:9/46v	Medium
7m:46d	Medium
7m:F2	Strong
7m:F5	Sparse
7m:F7	Strong
8B:8m	Strong
8B:9/46d	Strong
8B:24c	Strong
8B:46d	Strong
8B:F2	Medium
8B:F5	Sparse
8B:F7	Strong
8B:PBr	Medium
8l:8m	Strong
8l:9/46d	Strong

Symmetrical bidirectional connections	
A	B
Pathway	Weight
8l:10	Medium
8l:TEO	Medium
8l:V1	Medium
8l:V4	Strong
8m:9/46d	Strong
8m:9/46v	Strong
8m:10	Medium
8m:46d	Strong
8m:F7	Strong
8m:MT	Medium
8m:PBr	Medium
8m:STPc	Strong
8m:STPr	Medium
8m:TEpd	Sparse
8m:V2	Medium
9/46d:9/46v	Strong
9/46d:10	Medium
9/46d:24c	Medium
9/46d:46d	Strong
9/46d:F7	Strong
9/46d:STPr	Medium
9/46d:TEO	Sparse
9/46d:V4	Sparse
9/46v:10	Medium
9/46v:F5	Strong
9/46v:F7	Medium
9/46v:ProM	Strong
9/46v:STPr	Medium
10:46d	Strong
10:F5	Sparse
10:F7	Medium
10:PBr	Strong
10:STPc	Medium
10:STPi	Strong
10:STPr	Strong
24c:46d	Medium
24c:F1	Strong
24c:F2	Strong
24c:F5	Strong
24c:F7	Strong
24c:ProM	Medium
24c:STPi	Medium
24c:STPr	Medium
46d:DP	Medium
46d:F5	Sparse
46d:STPc	Medium
46d:STPi	Strong
46d:TEO	Sparse
46d:TEpd	Sparse
DP:STPc	Medium
DP:STPr	Sparse
DP:TEO	Medium
F1:F2	Strong
F1:F5	Medium
F1:ProM	Medium
F2:F7	Strong
F2:MT	Sparse
F2:ProM	Sparse
F2:STPr	Sparse
F5:TEpd	Sparse
F7:STPc	Medium
F7:TEO	Sparse
MT:STPc	Medium
MT:STPi	Medium
MT:TEO	Strong
MT:V1	Strong
MT:V2	Strong
MT:V4	Strong
PBr:STPc	Strong
PBr:STPi	Strong
PBr:STPr	Strong
STPc:STPi	Strong
STPc:STPr	Strong
STPc:TEO	Medium
STPc:V2	Medium
STPi:TEpd	Medium
STPr:TEpd	Medium
STPr:V2	Sparse
TEO:TEpd	Strong
TEO:V4	Strong
TEpd:V2	Medium
TEpd:V4	Strong
V1:V2	Strong
V2:V4	Strong

True Unidirectional connections[1]	
A	B
Pathway	Weight
2 → 8l	Medium
2 → MT	Sparse
5 → 24c	Strong
5 → 8m	Sparse
5 → 9/46d	Medium
7A → 24c	Medium
9/46v → TEO	Medium
46d → ProM	Sparse
DP → 8l	Medium
F1 → 46d	Sparse
F1 → 7B	Medium
F1 → 7m	Medium
F1 → 8l	Medium
F1 → 9/46d	Sparse
PBr → MT	Sparse
ProM → 8l	Medium
ProM → 8m	Medium
ProM → 9/46d	Medium
ProM → F7	Medium
STPc → 9/46v	Medium
STPc → V1	Medium
STPc → F2	Medium
STPi → 7A	Strong
STPi → 7m	Sparse
STPi → 8l	Medium
STPi → DP	Sparse
STPi → F2	Medium
STPi → V1	Medium
STPi → V2	Sparse
STPi → V4	Medium
STPr → 7B	Medium
STPr → 7m	Sparse
TEpd → V1	Medium
TEO → V1	Strong

Inferred Unidirectional connections[2]	
A	B
Pathway	Weight
2 → 5	Strong
2 → 7m	Sparse
2 → 8m	Sparse
2 → 9/46d	Sparse
2 → STPc	Sparse
2 → TEO	Sparse
24c → DP	Sparse
24c → PBr	Medium
46d → 5	Medium
5 → 8l	Sparse
5 → 9/46v	Sparse
5 → STPc	Sparse
5 → TEO	Sparse
7A → 10	Sparse
7A → PBr	Sparse
7A → ProM	Sparse
7B → 8l	Sparse
7B → F7	Sparse
7B → TEO	Sparse
7m → TEO	Sparse
8B → TEO	Sparse
9/46v → MT	Sparse

Inferred Unidirectional connections[2]	
A	**B**
Pathway	**Weight**
9/46v → V4	Sparse
DP → 10	Sparse
DP → PBr	Sparse
F1 → 10	Sparse
F1 → 9/46v	Sparse
F1 → MT	Sparse
F1 → STPr	Sparse
F2 → 10	Sparse
F2 → 46d	Medium
F2 → DP	Medium
F2 → TEO	Sparse
F5 → DP	Sparse
F5 → MT	Sparse
F5 → TEO	Sparse
F7 → DP	Medium
MT → 46d	Sparse
MT → 7B	Medium
MT → 7m	Medium
PBr → 9/46v	Sparse
PBr → F2	Sparse
PBr → F5	Sparse
PBr → TEO	Sparse
PBr → TEpd	Sparse
ProM → MT	Sparse
ProM → PBr	Sparse
ProM → TEO	Sparse
STPc → F1	Sparse
STPi → 5	Medium
STPi → 7B	Sparse
STPi → 9/46v	Medium
STPi → F5	Sparse
STPi → TEO	Medium
STPr → F5	Sparse
STPr → V1	Sparse
TEpd → 10	Sparse
TEpd → 7m	Sparse
V1 → 7A	Sparse
V1 → 7m	Sparse
V1 → F5	Sparse
V2 → 10	Sparse
V2 → 46d	Medium
V2 → 7A	Sparse
V2 → 7B	Sparse
V2 → 7m	Medium
V2 → 9/46d	Medium
V2 → F5	Sparse
V2 → F7	Sparse
V2 → PBr	Sparse
V4 → 7m	Medium
V4 → 8B	Sparse
V4 → 8m	Medium
V4 → PBr	Sparse

[1] Cases where unidirectional projections (area X → area Y) where the injection in area X which fails to label area Y is shown to overlap the labelled neurons in area X resulting from injection in area Y (see figure S6)
[2] Cases where unidirectional projections (area X → area Y) where the injection in area X which fails to label area Y is shown to not overlap the labelled neurons in area X resulting from injection in area Y (see figure S6)

Table S5. Dominating sets

'Targets' is the dominating set *D* size (nr of injected sets).

A	B	C	D	E	F	G	H	I
Targets	1	2	3	4	5	6	7	8
Nr of sets	29	406	3654	23751	118755	475020	1560780	4292145
Dominated size (%)	Percentage of sets							
0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-30	3.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-40	17.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40-50	6.90	1.23	0.03	0.0	0.0	0.0	0.0	0.0
50-60	10.34	1.23	0.11	0.0	0.0	0.0	0.0	0.0
60-70	31.03	8.37	0.68	0.02	0.0	0.0	0.0	0.0
70-80	20.69	19.95	3.50	0.28	0.02	0.0	0.0	0.0
80-90	6.90	42.36	25.12	6.33	1.05	0.12	0.01	0.0
90-100	3.45	26.60	68.66	85.02	78.40	63.67	47.88	34.04
100	0.0	0.24	1.88	8.33	20.52	36.20	52.10	65.96

Table S6: FLNe values and Bibliographic analysis

ENTO: Entorhinal, PERI: Perirhinal, PIRI: Piriform, Pole: Temporal Pole, SUB: Subiculum.

CASE	MONKEY	SOURCE	TARGET	FLNe	NEURONS	STATUS	BIBLIOGRAPHY
1	M81LH	V2	V1	7.66e-01	86132	Known	(*1-8*)
1	M81LH	V3	V1	8.26e-03	929	Known	(*1-3, 5, 7, 9*)
1	M81LH	V3A	V1	1.45e-03	163	Known	(*3, 5*)
1	M81LH	V4	V1	1.17e-01	13171	Known	(*1-3, 5, 7, 10-11*)
1	M81LH	V4t	V1	1.46e-03	164	Known	(*3, 5*)
1	M81LH	LIP	V1	1.14e-03	128	Known	(*2, 7*)
1	M81LH	PIP	V1	9.96e-04	112	Known	(*3*)
1	M81LH	DP	V1	1.78e-04	20	NFP	NA
1	M81LH	STPr	V1	2.67e-05	3	NFP	NA
1	M81LH	STPi	V1	5.34e-04	60	Known	(*12*)
1	M81LH	STPc	V1	1.25e-03	141	Known	(*12*)
1	M81LH	PGa	V1	6.94e-04	78	Known	(*7*)
1	M81LH	IPa	V1	4.52e-03	508	NFP	NA
1	M81LH	FST	V1	4.45e-03	500	Known	(*2, 7*)
1	M81LH	MST	V1	1.32e-02	1480	Known	(*7*)
1	M81LH	MT	V1	5.95e-02	6690	Known	(*1-3, 5, 7, 13-14*)
1	M81LH	TEO	V1	7.52e-03	846	Known	(*2, 5, 7, 10*)
1	M81LH	TEOm	V1	4.09e-04	46	Known	(*7*)
1	M81LH	PERI	V1	4.45e-04	50	Known	(*15*)
1	M81LH	TEad	V1	3.56e-05	4	NFP	NA
1	M81LH	TEav	V1	2.76e-04	31	NFP	NA
1	M81LH	TEpd	V1	1.63e-03	183	Known	(*7*)
1	M81LH	TEpv	V1	2.24e-03	252	Known	(*2, 7*)
1	M81LH	TEa/ma	V1	8.89e-06	1	NFP	NA
1	M81LH	TEa/mp	V1	2.83e-03	318	Known	(*7*)
1	M81LH	TH/TF	V1	3.52e-03	396	Known	(*2, 7*)
1	M81LH	MB	V1	8.89e-06	1	Known	(*12*)
1	M81LH	LB	V1	3.56e-05	4	Known	(*12*)
1	M81LH	PBc	V1	1.42e-04	16	Known	(*12*)
1	M81LH	8l	V1	1.42e-04	16	Known	(*2-3, 15*)
1	M81LH	8r	V1	8.89e-06	1	NFP	NA
2	M85LH	V2	V1	7.52e-01	105064	Known	(*1-8*)
2	M85LH	V3	V1	6.25e-03	873	Known	(*1-3, 5, 7, 9*)
2	M85LH	V3A	V1	1.33e-03	186	Known	(*3, 5*)
2	M85LH	V4	V1	9.50e-02	13261	Known	(*1-3, 5, 7, 10-11*)
2	M85LH	V4t	V1	2.89e-03	404	Known	(*3, 5*)
2	M85LH	LIP	V1	8.95e-04	125	Known	(*2, 7*)
2	M85LH	PIP	V1	3.01e-04	42	Known	(*3*)
2	M85LH	DP	V1	7.88e-04	110	NFP	NA
2	M85LH	STPr	V1	5.01e-05	7	NFP	NA

2	M85LH	STPi	V1	4.87e-04	68	Known	(*12*)
2	M85LH	STPc	V1	1.73e-03	241	Known	(*12*)
2	M85LH	PGa	V1	7.45e-04	104	Known	(*7*)
2	M85LH	IPa	V1	5.44e-04	76	NFP	NA
2	M85LH	FST	V1	7.68e-03	1072	Known	(*2, 7*)
2	M85LH	MST	V1	4.40e-03	614	Known	(*7*)
2	M85LH	MT	V1	5.21e-02	7282	Known	(*1-3, 5, 7, 13-14*)
2	M85LH	TEO	V1	3.89e-02	5433	Known	(*2, 5, 7, 10*)
2	M85LH	TEOm	V1	2.81e-03	392	Known	(*7*)
2	M85LH	PERI	V1	5.57e-03	778	Known	(*15*)
2	M85LH	TEad	V1	2.24e-03	313	NFP	NA
2	M85LH	TEav	V1	8.59e-04	120	NFP	NA
2	M85LH	TEpd	V1	5.01e-03	699	Known	(*7*)
2	M85LH	TEpv	V1	7.58e-03	1059	Known	(*2, 7*)
2	M85LH	TEa/ma	V1	2.36e-03	330	NFP	NA
2	M85LH	TEa/mp	V1	1.57e-03	219	Known	(*7*)
2	M85LH	TH/TF	V1	5.24e-03	732	Known	(*2, 7*)
2	M85LH	LB	V1	7.16e-05	10	Known	(*12*)
2	M85LH	PBc	V1	1.36e-04	19	Known	(*12*)
2	M85LH	8l	V1	1.22e-04	17	Known	(*2-3, 15*)
3	M85RH	V2	V1	7.08e-01	141303	Known	(*1-8*)
3	M85RH	V3	V1	6.82e-03	1361	Known	(*1-3, 5, 7, 9*)
3	M85RH	V3A	V1	1.57e-03	314	Known	(*3, 5*)
3	M85RH	V4	V1	1.51e-01	30128	Known	(*1-3, 5, 7, 10-11*)
3	M85RH	V4t	V1	1.72e-03	344	Known	(*3, 5*)
3	M85RH	LIP	V1	9.52e-04	190	Known	(*2, 7*)
3	M85RH	PIP	V1	5.76e-04	115	Known	(*3*)
3	M85RH	DP	V1	5.06e-04	101	NFP	NA
3	M85RH	STPr	V1	2.00e-05	4	NFP	NA
3	M85RH	STPi	V1	7.87e-04	157	Known	(*12*)
3	M85RH	STPc	V1	1.94e-03	387	Known	(*12*)
3	M85RH	PGa	V1	1.05e-03	210	Known	(*7*)
3	M85RH	IPa	V1	6.21e-04	124	NFP	NA
3	M85RH	FST	V1	8.68e-03	1732	Known	(*2, 7*)
3	M85RH	MST	V1	6.50e-03	1298	Known	(*7*)
3	M85RH	MT	V1	5.23e-02	10444	Known	(*1-3, 5, 7, 13-14*)
3	M85RH	TEO	V1	3.82e-02	7622	Known	(*2, 5, 7, 10*)
3	M85RH	TEOm	V1	2.20e-04	44	Known	(*7*)
3	M85RH	PERI	V1	1.18e-03	235	Known	(*15*)
3	M85RH	TEad	V1	1.50e-03	300	NFP	NA
3	M85RH	TEav	V1	1.45e-03	289	NFP	NA
3	M85RH	TEpd	V1	4.07e-03	813	Known	(*7*)
3	M85RH	TEpv	V1	3.48e-03	695	Known	(*2, 7*)
3	M85RH	TEa/ma	V1	7.27e-04	145	NFP	NA
3	M85RH	TEa/mp	V1	1.72e-03	343	Known	(*7*)

3	M85RH	TH/TF	V1	3.48e-03	694	Known	(*2, 7*)
3	M85RH	CORE	V1	1.55e-04	31	Known	(*12*)
3	M85RH	MB	V1	1.25e-04	25	Known	(*12*)
3	M85RH	LB	V1	1.00e-04	20	Known	(*12*)
3	M85RH	PBc	V1	1.60e-04	32	Known	(*12*)
3	M85RH	8l	V1	3.26e-04	65	Known	(*2-3, 15*)
4	M88RH	V2	V1	7.51e-01	27362	Known	(*1-8*)
4	M88RH	V3	V1	3.73e-03	136	Known	(*1-3, 5, 7, 9*)
4	M88RH	V3A	V1	5.22e-03	190	Known	(*3, 5*)
4	M88RH	V4	V1	7.16e-02	2606	Known	(*1-3, 5, 7, 10-11*)
4	M88RH	V4t	V1	4.06e-03	148	Known	(*3, 5*)
4	M88RH	7op	V1	3.30e-04	12	NFP	NA
4	M88RH	LIP	V1	1.54e-03	56	Known	(*2, 7*)
4	M88RH	PIP	V1	1.10e-04	4	Known	(*3*)
4	M88RH	DP	V1	7.96e-04	29	NFP	NA
4	M88RH	STPi	V1	2.20e-04	8	Known	(*12*)
4	M88RH	STPc	V1	1.78e-03	65	Known	(*12*)
4	M88RH	TPt	V1	1.10e-04	4	NFP	NA
4	M88RH	PGa	V1	8.51e-04	31	Known	(*7*)
4	M88RH	IPa	V1	3.30e-04	12	NFP	NA
4	M88RH	FST	V1	1.01e-02	368	Known	(*2, 7*)
4	M88RH	MST	V1	6.89e-03	251	Known	(*7*)
4	M88RH	MT	V1	7.83e-02	2850	Known	(*1-3, 5, 7, 13-14*)
4	M88RH	TEO	V1	2.57e-02	935	Known	(*2, 5, 7, 10*)
4	M88RH	TEOm	V1	5.82e-03	212	Known	(*7*)
4	M88RH	PERI	V1	9.89e-04	36	Known	(*15*)
4	M88RH	TEad	V1	5.49e-04	20	NFP	NA
4	M88RH	TEav	V1	2.28e-03	83	NFP	NA
4	M88RH	TEpd	V1	6.15e-03	224	Known	(*7*)
4	M88RH	TEpv	V1	1.15e-02	420	Known	(*2, 7*)
4	M88RH	TEa/ma	V1	2.20e-04	8	NFP	NA
4	M88RH	TEa/mp	V1	2.75e-03	100	Known	(*7*)
4	M88RH	TH/TF	V1	6.26e-03	228	Known	(*2, 7*)
4	M88RH	CORE	V1	5.49e-05	2	Known	(*12*)
4	M88RH	MB	V1	5.49e-05	2	Known	(*12*)
4	M88RH	LB	V1	1.10e-04	4	Known	(*12*)
4	M88RH	PBc	V1	1.10e-04	4	Known	(*12*)
4	M88RH	8l	V1	1.65e-04	6	Known	(*2-3, 15*)
5	M121RH	V2	V1	6.83e-01	66489	Known	(*1-8*)
5	M121RH	V3	V1	9.48e-03	922	Known	(*1-3, 5, 7, 9*)
5	M121RH	V3A	V1	1.34e-03	130	Known	(*3, 5*)
5	M121RH	V4	V1	2.04e-01	19832	Known	(*1-3, 5, 7, 10-11*)
5	M121RH	V4t	V1	6.99e-04	68	Known	(*3, 5*)
5	M121RH	LIP	V1	1.91e-03	186	Known	(*2, 7*)
5	M121RH	PIP	V1	2.26e-03	220	Known	(*3*)

5	M121RH	DP	V1	1.85e-04	18	NFP	NA
5	M121RH	STPi	V1	1.34e-04	13	Known	(*12*)
5	M121RH	STPc	V1	1.56e-03	152	Known	(*12*)
5	M121RH	PGa	V1	3.29e-04	32	Known	(*7*)
5	M121RH	IPa	V1	1.44e-04	14	NFP	NA
5	M121RH	FST	V1	6.74e-03	656	Known	(*2, 7*)
5	M121RH	MST	V1	1.91e-03	186	Known	(*7*)
5	M121RH	MT	V1	5.20e-02	5057	Known	(*1-3, 5, 7, 13-14*)
5	M121RH	TEO	V1	2.48e-02	2418	Known	(*2, 5, 7, 10*)
5	M121RH	TEOm	V1	3.60e-04	35	Known	(*7*)
5	M121RH	PERI	V1	6.17e-04	60	Known	(*15*)
5	M121RH	TEad	V1	5.14e-05	5	NFP	NA
5	M121RH	TEav	V1	4.52e-04	44	NFP	NA
5	M121RH	TEpd	V1	1.29e-03	126	Known	(*7*)
5	M121RH	TEpv	V1	2.20e-03	214	Known	(*2, 7*)
5	M121RH	TEa/ma	V1	2.26e-04	22	NFP	NA
5	M121RH	TEa/mp	V1	2.48e-03	241	Known	(*7*)
5	M121RH	TH/TF	V1	1.37e-03	133	Known	(*2, 7*)
5	M121RH	PBc	V1	2.06e-05	2	Known	(*12*)
5	M121RH	8l	V1	3.19e-04	31	Known	(*2-3, 15*)
6	M101LH	V1	V2	7.33e-01	262279	Known	(*1, 3, 6, 16*)
6	M101LH	V3	V2	3.99e-02	14301	Known	(*1, 3, 6-7, 9, 16*)
6	M101LH	V3A	V2	1.11e-03	399	Known	(*3, 16*)
6	M101LH	V4	V2	1.74e-01	62257	Known	(*1, 3, 7, 10-11, 16*)
6	M101LH	V4t	V2	7.32e-04	262	Known	(*16-17*)
6	M101LH	LIP	V2	8.80e-04	315	Known	(*7, 16, 18*)
6	M101LH	VIP	V2	2.46e-04	88	NFP	NA
6	M101LH	PIP	V2	5.75e-04	206	Known	(*16*)
6	M101LH	DP	V2	4.02e-04	144	Known	(*16*)
6	M101LH	V6A	V2	3.91e-05	14	NFP	NA
6	M101LH	STPi	V2	2.51e-05	9	NFP	NA
6	M101LH	STPc	V2	9.50e-05	34	Known	(*17, 19*)
6	M101LH	TPt	V2	2.79e-06	1	NFP	NA
6	M101LH	PGa	V2	1.06e-04	38	Known	(*7, 17*)
6	M101LH	IPa	V2	7.54e-05	27	NFP	NA
6	M101LH	FST	V2	2.25e-03	807	Known	(*3, 16-17*)
6	M101LH	MST	V2	7.85e-04	281	Known	(*3, 16-17, 20*)
6	M101LH	MT	V2	3.65e-02	13074	Known	(*1, 3, 7, 13-14, 16-17, 20*)
6	M101LH	TEO	V2	3.73e-03	1337	Known	(*7, 10, 16-17, 21*)
6	M101LH	TEOm	V2	2.12e-03	759	Known	(*7, 17*)
6	M101LH	PERI	V2	8.38e-05	30	NFP	NA
6	M101LH	TEad	V2	5.31e-05	19	NFP	NA
6	M101LH	TEav	V2	4.75e-05	17	NFP	NA
6	M101LH	TEpd	V2	7.96e-04	285	NFP	NA
6	M101LH	TEpv	V2	8.21e-04	294	Known	(*7*)

6	M101LH	TEa/ma	V2	2.79e-06	1	Known	(*17*)
6	M101LH	TEa/mp	V2	6.14e-05	22	Known	(*7, 17*)
6	M101LH	TH/TF	V2	1.97e-03	705	Known	(*7*)
6	M101LH	MB	V2	8.38e-06	3	NFP	NA
6	M101LH	8l	V2	8.94e-05	32	NFP	NA
6	M101LH	8m	V2	1.68e-05	6	NFP	NA
7	M101RH	V1	V2	7.83e-01	191313	Known	(*1, 3, 6, 16*)
7	M101RH	V3	V2	4.33e-02	10590	Known	(*1, 3, 6-7, 9, 16*)
7	M101RH	V3A	V2	3.76e-03	918	Known	(*3, 16*)
7	M101RH	V4	V2	1.10e-01	26919	Known	(*1, 3, 7, 10-11, 16*)
7	M101RH	V4t	V2	8.80e-04	215	Known	(*16-17*)
7	M101RH	LIP	V2	1.49e-03	363	Known	(*7, 16, 18*)
7	M101RH	VIP	V2	9.41e-05	23	NFP	NA
7	M101RH	PIP	V2	2.90e-04	71	Known	(*16*)
7	M101RH	DP	V2	8.35e-04	204	Known	(*16*)
7	M101RH	V6A	V2	2.05e-05	5	NFP	NA
7	M101RH	STPi	V2	8.18e-05	20	NFP	NA
7	M101RH	STPc	V2	8.18e-05	20	Known	(*17, 19*)
7	M101RH	PGa	V2	3.27e-05	8	Known	(*7, 17*)
7	M101RH	IPa	V2	8.18e-06	2	NFP	NA
7	M101RH	FST	V2	2.38e-03	582	Known	(*3, 16-17*)
7	M101RH	MST	V2	1.21e-03	295	Known	(*3, 16-17, 20*)
7	M101RH	MT	V2	4.08e-02	9973	Known	(*1, 3, 7, 13-14, 16-17, 20*)
7	M101RH	TEO	V2	5.00e-03	1222	Known	(*7, 10, 16-17, 21*)
7	M101RH	TEOm	V2	2.08e-03	509	Known	(*7, 17*)
7	M101RH	PERI	V2	1.02e-04	25	NFP	NA
7	M101RH	TEad	V2	2.86e-05	7	NFP	NA
7	M101RH	TEav	V2	4.09e-05	10	NFP	NA
7	M101RH	TEpd	V2	6.05e-04	148	NFP	NA
7	M101RH	TEpv	V2	1.46e-03	358	Known	(*7*)
7	M101RH	TEa/ma	V2	1.64e-05	4	Known	(*17*)
7	M101RH	TEa/mp	V2	1.55e-04	38	Known	(*7, 17*)
7	M101RH	TH/TF	V2	2.26e-03	553	Known	(*7*)
7	M101RH	MB	V2	4.09e-06	1	NFP	NA
7	M101RH	8l	V2	1.15e-04	28	NFP	NA
7	M101RH	8m	V2	5.73e-05	14	NFP	NA
8	M103LH	V1	V2	7.75e-01	145246	Known	(*1, 3, 6, 16*)
8	M103LH	V3	V2	1.04e-02	1957	Known	(*1, 3, 6-7, 9, 16*)
8	M103LH	V3A	V2	9.24e-04	173	Known	(*3, 16*)
8	M103LH	V4	V2	1.70e-01	31838	Known	(*1, 3, 7, 10-11, 16*)
8	M103LH	V4t	V2	1.86e-03	349	Known	(*16-17*)
8	M103LH	LIP	V2	4.97e-04	93	Known	(*7, 16, 18*)
8	M103LH	VIP	V2	5.87e-05	11	NFP	NA
8	M103LH	PIP	V2	4.43e-04	83	Known	(*16*)
8	M103LH	DP	V2	2.67e-05	5	Known	(*16*)

8	M103LH	V6	V2	1.60e-05	3	NFP	NA
8	M103LH	V6A	V2	2.14e-05	4	NFP	NA
8	M103LH	STPr	V2	2.67e-05	5	Known	(*17*)
8	M103LH	STPi	V2	1.01e-04	19	NFP	NA
8	M103LH	STPc	V2	8.54e-05	16	Known	(*17, 19*)
8	M103LH	PGa	V2	3.10e-04	58	Known	(*7, 17*)
8	M103LH	IPa	V2	1.07e-04	20	NFP	NA
8	M103LH	FST	V2	1.58e-03	296	Known	(*3, 16-17*)
8	M103LH	MST	V2	2.46e-04	46	Known	(*3, 16-17, 20*)
8	M103LH	MT	V2	2.99e-02	5596	Known	(*1, 3, 7, 13-14, 16-17, 20*)
8	M103LH	TEO	V2	1.09e-03	204	Known	(*7, 10, 16-17, 21*)
8	M103LH	TEOm	V2	8.54e-04	160	Known	(*7, 17*)
8	M103LH	PERI	V2	4.27e-04	80	NFP	NA
8	M103LH	TEad	V2	4.27e-04	80	NFP	NA
8	M103LH	TEav	V2	6.25e-04	117	NFP	NA
8	M103LH	TEpd	V2	1.76e-03	329	NFP	NA
8	M103LH	TEpv	V2	1.16e-03	217	Known	(*7*)
8	M103LH	TEa/ma	V2	1.55e-04	29	Known	(*17*)
8	M103LH	TEa/mp	V2	1.01e-04	19	Known	(*7, 17*)
8	M103LH	TH/TF	V2	1.15e-03	215	Known	(*7*)
8	M103LH	MB	V2	1.60e-05	3	NFP	NA
8	M103LH	PBc	V2	5.34e-06	1	NFP	NA
8	M103LH	8l	V2	1.23e-04	23	NFP	NA
9	M121RH	V1	V4	8.21e-03	1134	Known	(*2-3, 11, 23*)
9	M121RH	V2	V4	3.46e-01	47725	Known	(*2-4, 11, 23*)
9	M121RH	V3	V4	4.40e-02	6082	Known	(*2-3, 9, 11, 17, 23*)
9	M121RH	V3A	V4	7.24e-05	10	Known	(*2-3, 11*)
9	M121RH	V4t	V4	8.39e-02	11588	Known	(*3, 11*)
9	M121RH	7A	V4	1.67e-04	23	Known	(*11*)
9	M121RH	LIP	V4	3.70e-03	511	Known	(*2-3, 11, 17, 24*)
9	M121RH	PIP	V4	4.42e-04	61	Known	(*3, 11*)
9	M121RH	DP	V4	1.52e-04	21	Known	(*3, 11*)
9	M121RH	STPr	V4	1.96e-04	27	NFP	NA
9	M121RH	STPi	V4	7.97e-05	11	NFP	NA
9	M121RH	STPc	V4	1.30e-04	18	NFP	NA
9	M121RH	PGa	V4	4.71e-04	65	NFP	NA
9	M121RH	IPa	V4	6.16e-04	85	NFP	NA
9	M121RH	FST	V4	1.04e-02	1442	Known	(*2-3, 11, 20, 23*)
9	M121RH	MST	V4	1.74e-04	24	NFP	NA
9	M121RH	MT	V4	6.70e-02	9254	Known	(*2-3, 11, 13, 19, 23*)
9	M121RH	TEO	V4	2.37e-01	32701	Known	(*2-3, 10-11, 21, 23*)
9	M121RH	TEOm	V4	2.22e-02	3062	Known	(*3, 11, 19, 23*)
9	M121RH	PERI	V4	8.42e-03	1162	Known	(*25*)
9	M121RH	TEad	V4	2.52e-03	348	Known	(*2, 11*)
9	M121RH	TEav	V4	1.24e-02	1711	Known	(*11*)

9	M121RH	TEpd	V4	7.42e-02	10249	Known	(*2, 11, 23*)
9	M121RH	TEpv	V4	1.72e-02	2380	Known	(*2, 11, 23*)
9	M121RH	TEa/ma	V4	7.10e-03	981	Known	(*2, 11*)
9	M121RH	TEa/mp	V4	3.53e-02	4878	Known	(*11, 23*)
9	M121RH	ENTO	V4	6.52e-05	9	NFP	NA
9	M121RH	TH/TF	V4	1.51e-02	2083	Known	(*2-3, 11, 25*)
9	M121RH	INSULA	V4	8.69e-05	12	NFP	NA
9	M121RH	9/46d	V4	7.24e-06	1	NFP	NA
9	M121RH	8l	V4	2.85e-03	393	Known	(*2, 11, 22*)
9	M121RH	8r	V4	1.38e-04	19	Known	(*11*)
9	M121RH	45B	V4	2.90e-05	4	NFP	NA
10	M123LH	V1	V4	1.79e-02	1673	Known	(*2-3, 11, 23*)
10	M123LH	V2	V4	4.36e-01	40739	Known	(*2-4, 11, 23*)
10	M123LH	V3	V4	1.49e-02	1392	Known	(*2-3, 9, 11, 17, 23*)
10	M123LH	V3A	V4	1.50e-04	14	Known	(*2-3, 11*)
10	M123LH	V4t	V4	4.02e-03	376	Known	(*3, 11*)
10	M123LH	7A	V4	4.28e-05	4	Known	(*11*)
10	M123LH	LIP	V4	1.63e-03	152	Known	(*2-3, 11, 17, 24*)
10	M123LH	PIP	V4	8.55e-04	80	Known	(*3, 11*)
10	M123LH	DP	V4	4.28e-05	4	Known	(*3, 11*)
10	M123LH	STPr	V4	2.89e-04	27	NFP	NA
10	M123LH	STPi	V4	3.85e-04	36	NFP	NA
10	M123LH	STPc	V4	8.55e-05	8	NFP	NA
10	M123LH	PGa	V4	7.70e-04	72	NFP	NA
10	M123LH	IPa	V4	1.92e-03	180	NFP	NA
10	M123LH	FST	V4	1.46e-02	1369	Known	(*2-3, 11, 20, 23*)
10	M123LH	MST	V4	8.55e-05	8	NFP	NA
10	M123LH	MT	V4	1.02e-01	9572	Known	(*2-3, 11, 13, 19, 23*)
10	M123LH	TEO	V4	2.39e-01	22341	Known	(*2-3, 10-11, 21, 23*)
10	M123LH	TEOm	V4	1.04e-02	971	Known	(*3, 11, 19, 23*)
10	M123LH	PERI	V4	6.62e-03	619	Known	(*25*)
10	M123LH	TEad	V4	3.75e-03	351	Known	(*2, 11*)
10	M123LH	TEav	V4	2.74e-03	256	Known	(*11*)
10	M123LH	TEpd	V4	7.55e-02	7064	Known	(*2, 11, 23*)
10	M123LH	TEpv	V4	3.74e-02	3496	Known	(*2, 11, 23*)
10	M123LH	TEa/ma	V4	3.81e-03	356	Known	(*2, 11*)
10	M123LH	TEa/mp	V4	9.58e-03	896	Known	(*11, 23*)
10	M123LH	ENTO	V4	6.42e-05	6	NFP	NA
10	M123LH	TH/TF	V4	1.34e-02	1252	Known	(*2-3, 11, 25*)
10	M123LH	LB	V4	2.14e-05	2	NFP	NA
10	M123LH	INSULA	V4	5.35e-05	5	NFP	NA
10	M123LH	9/46v	V4	3.21e-05	3	NFP	NA
10	M123LH	8l	V4	1.99e-03	186	Known	(*2, 11, 22*)
10	M123LH	45B	V4	4.28e-05	4	NFP	NA
11	M119LH	V2	TEO	2.43e-02	3782	Known	(*4, 17, 21, 26-27*)

11	M119LH	V3	TEO	1.23e-01	19116	Known	(*17, 21, 23, 26-27*)
11	M119LH	V3A	TEO	4.94e-04	77	Known	(*17, 21, 26-28*)
11	M119LH	V4	TEO	2.56e-01	39911	Known	(*3, 17, 21, 23, 26-27*)
11	M119LH	V4t	TEO	5.87e-03	915	Known	(*17, 21, 27*)
11	M119LH	7A	TEO	4.62e-04	72	Known	(*21, 28-29*)
11	M119LH	7B	TEO	2.57e-05	4	Known	(*30*)
11	M119LH	LIP	TEO	7.90e-03	1232	Known	(*17, 21, 24, 28*)
11	M119LH	MIP	TEO	1.92e-05	3	NFP	NA
11	M119LH	PIP	TEO	1.71e-03	267	NFP	NA
11	M119LH	DP	TEO	1.17e-03	182	Known	(*17, 21*)
11	M119LH	5	TEO	2.57e-05	4	NFP	NA
11	M119LH	7m	TEO	5.13e-05	8	NFP	NA
11	M119LH	STPr	TEO	1.31e-03	205	Known	(*21*)
11	M119LH	STPi	TEO	1.28e-04	20	Known	(*21*)
11	M119LH	STPc	TEO	1.92e-05	3	Known	(*21*)
11	M119LH	PGa	TEO	4.55e-03	709	Known	(*17, 26-27, 31*)
11	M119LH	IPa	TEO	5.59e-03	871	Known	(*17, 21, 26-27*)
11	M119LH	FST	TEO	6.98e-02	10878	Known	(*17, 21, 23, 27, 31*)
11	M119LH	MST	TEO	5.84e-04	91	Known	(*17, 21*)
11	M119LH	MT	TEO	2.44e-02	3805	Known	(*21*)
11	M119LH	TEOm	TEO	4.03e-02	6291	Known	(*17, 19, 21, 26, 31*)
11	M119LH	PERI	TEO	1.75e-02	2731	Known	(*21, 25, 31*)
11	M119LH	TEad	TEO	8.81e-03	1373	Known	(*21, 26, 31-32*)
11	M119LH	TEav	TEO	1.56e-02	2437	Known	(*21, 31-32*)
11	M119LH	TEpd	TEO	2.31e-01	36077	Known	(*21, 23, 26, 31*)
11	M119LH	TEpv	TEO	9.08e-02	14153	Known	(*21, 23, 31*)
11	M119LH	TEa/ma	TEO	1.57e-02	2441	Known	(*17, 21, 26, 31*)
11	M119LH	TEa/mp	TEO	2.95e-02	4599	Known	(*17, 21, 23, 26, 31*)
11	M119LH	ENTO	TEO	2.57e-05	4	NFP	NA
11	M119LH	TH/TF	TEO	1.46e-02	2276	Known	(*21, 23, 25, 31*)
11	M119LH	POLE	TEO	2.89e-04	45	Known	(*21, 31*)
11	M119LH	MB	TEO	3.85e-05	6	NFP	NA
11	M119LH	LB	TEO	1.28e-05	2	NFP	NA
11	M119LH	PBr	TEO	5.13e-05	8	NFP	NA
11	M119LH	PBc	TEO	7.70e-05	12	NFP	NA
11	M119LH	Parainsula	TEO	4.49e-05	7	NFP	NA
11	M119LH	INSULA	TEO	1.28e-04	20	NFP	NA
11	M119LH	1	TEO	2.57e-05	4	NFP	NA
11	M119LH	2	TEO	3.85e-05	6	NFP	NA
11	M119LH	3	TEO	1.22e-04	19	NFP	NA
11	M119LH	23	TEO	1.28e-05	2	NFP	NA
11	M119LH	24a	TEO	7.70e-05	12	NFP	NA
11	M119LH	24b	TEO	3.85e-05	6	NFP	NA
11	M119LH	24d	TEO	1.92e-05	3	NFP	NA
11	M119LH	F2	TEO	6.41e-06	1	NFP	NA

11	M119LH	F7	TEO	4.49e-05	7	NFP	NA
11	M119LH	F5	TEO	3.85e-05	6	NFP	NA
11	M119LH	ProM	TEO	1.28e-05	2	NFP	NA
11	M119LH	46d	TEO	1.28e-05	2	NFP	NA
11	M119LH	46v	TEO	3.85e-05	6	Known	(*28*)
11	M119LH	9/46d	TEO	2.57e-05	4	NFP	NA
11	M119LH	9/46v	TEO	3.91e-04	61	Known	(*28*)
11	M119LH	8B	TEO	1.28e-05	2	Known	(*21*)
11	M119LH	8l	TEO	6.08e-03	948	Known	(*21-22, 28, 33*)
11	M119LH	8r	TEO	5.39e-04	84	Known	(*21, 28*)
11	M119LH	45B	TEO	4.17e-04	65	Known	(*28, 33*)
11	M119LH	45A	TEO	1.92e-05	3	Known	(*26*)
11	M119LH	44	TEO	1.28e-05	2	NFP	NA
11	M119LH	11	TEO	1.28e-05	2	NFP	NA
11	M119LH	12	TEO	2.37e-04	37	Known	(*28*)
12	M106LH	V2	9/46d	1.78e-03	458	Known	(*34*)
12	M106LH	V3	9/46d	4.66e-05	12	NFP	NA
12	M106LH	V4	9/46d	8.55e-05	22	NFP	NA
12	M106LH	Pro.St.	9/46d	2.10e-04	54	Known	(*34*)
12	M106LH	7op	9/46d	8.32e-04	214	Known	(*35*)
12	M106LH	7A	9/46d	7.31e-04	188	Known	(*34, 36*)
12	M106LH	7B	9/46d	1.11e-03	286	Known	(*36*)
12	M106LH	LIP	9/46d	2.43e-03	626	Known	(*24*)
12	M106LH	VIP	9/46d	7.62e-04	196	NFP	NA
12	M106LH	MIP	9/46d	1.63e-04	42	NFP	NA
12	M106LH	PIP	9/46d	1.55e-05	4	NFP	NA
12	M106LH	DP	9/46d	4.66e-05	12	NFP	NA
12	M106LH	V6	9/46d	9.64e-04	248	NFP	NA
12	M106LH	V6A	9/46d	1.93e-02	4960	NFP	NA
12	M106LH	5	9/46d	9.72e-04	250	Known	(*37*)
12	M106LH	7m	9/46d	3.45e-02	8878	Known	(*34*)
12	M106LH	STPr	9/46d	1.52e-04	39	Known	(*34, 38*)
12	M106LH	STPi	9/46d	6.50e-03	1672	Known	(*34, 39*)
12	M106LH	STPc	9/46d	2.56e-02	6599	Known	(*34, 39*)
12	M106LH	TPt	9/46d	8.39e-04	216	NFP	NA
12	M106LH	PGa	9/46d	4.59e-04	118	NFP	NA
12	M106LH	FST	9/46d	2.88e-04	74	NFP	NA
12	M106LH	MST	9/46d	1.96e-03	504	NFP	NA
12	M106LH	MT	9/46d	2.25e-04	58	NFP	NA
12	M106LH	TEO	9/46d	7.77e-06	2	NFP	NA
12	M106LH	PERI	9/46d	7.77e-06	2	NFP	NA
12	M106LH	TEad	9/46d	1.55e-05	4	NFP	NA
12	M106LH	TEav	9/46d	7.77e-06	2	NFP	NA
12	M106LH	TEa/ma	9/46d	1.17e-05	3	NFP	NA
12	M106LH	TEa/mp	9/46d	7.77e-06	2	NFP	NA

12	M106LH	POLE	9/46d	1.17e-04	30	Known	(*34*)
12	M106LH	CORE	9/46d	1.55e-05	4	NFP	NA
12	M106LH	MB	9/46d	2.25e-04	58	NFP	NA
12	M106LH	LB	9/46d	7.00e-05	18	Known	(*40-41*)
12	M106LH	PBr	9/46d	5.36e-04	138	Known	(*34, 40*)
12	M106LH	PBc	9/46d	2.02e-03	519	Known	(*34, 36, 40*)
12	M106LH	Parainsula	9/46d	1.32e-04	34	NFP	NA
12	M106LH	INSULA	9/46d	1.97e-03	506	Known	(*34*)
12	M106LH	Gu	9/46d	2.33e-05	6	NFP	NA
12	M106LH	SII	9/46d	1.05e-04	27	NFP	NA
12	M106LH	2	9/46d	4.66e-05	12	Known	(*34*)
12	M106LH	23	9/46d	8.22e-03	2116	Known	(*34, 42*)
12	M106LH	24a	9/46d	6.30e-04	162	Known	(*34*)
12	M106LH	24b	9/46d	5.17e-04	133	Known	(*34*)
12	M106LH	24c	9/46d	3.04e-03	782	Known	(*34*)
12	M106LH	24d	9/46d	5.52e-04	142	NFP	NA
12	M106LH	29/30	9/46d	5.44e-03	1399	Known	(*34, 42-43*)
12	M106LH	31	9/46d	2.73e-02	7026	Known	(*34*)
12	M106LH	32	9/46d	3.11e-05	8	Known	(*34, 44-45*)
12	M106LH	F1	9/46d	5.44e-05	14	NFP	NA
12	M106LH	F2	9/46d	2.23e-02	5736	Known	(*34*)
12	M106LH	F7	9/46d	5.54e-02	14244	Known	(*34*)
12	M106LH	F3	9/46d	3.58e-04	92	NFP	NA
12	M106LH	F6	9/46d	9.66e-03	2485	Known	(*34*)
12	M106LH	F4	9/46d	8.89e-03	2287	NFP	NA
12	M106LH	F5	9/46d	6.37e-04	164	Known	(*34*)
12	M106LH	ProM	9/46d	3.30e-04	85	Known	(*34*)
12	M106LH	10	9/46d	7.89e-03	2031	Known	(*34, 44*)
12	M106LH	9	9/46d	2.44e-02	6267	Known	(*34, 46*)
12	M106LH	46d	9/46d	1.96e-01	50412	Known	(*34*)
12	M106LH	46v	9/46d	9.69e-02	24941	Known	(*34*)
12	M106LH	9/46v	9/46d	1.68e-02	4328	Known	(*34, 44, 47*)
12	M106LH	8B	9/46d	7.10e-02	18269	Known	(*34, 47*)
12	M106LH	8l	9/46d	1.47e-02	3781	NFP	NA
12	M106LH	8m	9/46d	2.22e-01	57037	Known	(*34, 44, 47*)
12	M106LH	8r	9/46d	5.87e-02	15114	Known	(*34*)
12	M106LH	45B	9/46d	4.24e-03	1092	Known	(*34*)
12	M106LH	45A	9/46d	2.01e-02	5162	Known	(*34*)
12	M106LH	44	9/46d	9.49e-03	2441	NFP	NA
12	M106LH	OPRO	9/46d	1.30e-03	334	NFP	NA
12	M106LH	OPAI	9/46d	3.11e-05	8	NFP	NA
12	M106LH	11	9/46d	2.57e-04	66	Known	(*34*)
12	M106LH	14	9/46d	5.44e-05	14	Known	(*34, 48*)
12	M106LH	12	9/46d	7.20e-03	1852	Known	(*34, 44, 46*)
12	M106LH	13	9/46d	7.00e-04	180	Known	(*34, 48*)

13	M106RH	V1	F5	5.37e-05	11	NFP	NA
13	M106RH	V2	F5	3.41e-05	7	NFP	NA
13	M106RH	V3	F5	4.88e-06	1	NFP	NA
13	M106RH	7op	F5	3.41e-05	7	Known	(*49-50*)
13	M106RH	7A	F5	7.32e-05	15	Known	(*51-52*)
13	M106RH	7B	F5	7.72e-02	15826	Known	(*36-37, 49-52*)
13	M106RH	LIP	F5	5.66e-03	1161	Known	(*49-51*)
13	M106RH	MIP	F5	4.88e-06	1	NFP	NA
13	M106RH	AIP	F5	3.37e-03	690	Known	(*49-53*)
13	M106RH	V6	F5	9.76e-06	2	NFP	NA
13	M106RH	V6A	F5	1.46e-05	3	NFP	NA
13	M106RH	5	F5	9.76e-05	20	Known	(*37, 51-52*)
13	M106RH	7m	F5	4.88e-06	1	NFP	NA
13	M106RH	STPr	F5	3.90e-05	8	NFP	NA
13	M106RH	STPi	F5	1.95e-05	4	NFP	NA
13	M106RH	STPc	F5	4.88e-06	1	NFP	NA
13	M106RH	TEOm	F5	1.46e-05	3	NFP	NA
13	M106RH	PERI	F5	7.32e-05	15	NFP	NA
13	M106RH	TEav	F5	1.17e-04	24	NFP	NA
13	M106RH	TEpd	F5	3.90e-05	8	NFP	NA
13	M106RH	TEpv	F5	9.76e-05	20	NFP	NA
13	M106RH	TEa/ma	F5	6.83e-05	14	Known	(*38*)
13	M106RH	TEa/mp	F5	3.90e-05	8	NFP	NA
13	M106RH	ENTO	F5	1.17e-04	24	NFP	NA
13	M106RH	TH/TF	F5	9.76e-06	2	NFP	NA
13	M106RH	SUB	F5	2.93e-05	6	NFP	NA
13	M106RH	POLE	F5	4.88e-05	10	Known	(*54*)
13	M106RH	CORE	F5	5.37e-05	11	NFP	NA
13	M106RH	MB	F5	3.90e-05	8	NFP	NA
13	M106RH	LB	F5	4.88e-05	10	NFP	NA
13	M106RH	PBr	F5	3.90e-05	8	NFP	NA
13	M106RH	Parainsula	F5	2.44e-05	5	Known	(*51*)
13	M106RH	INSULA	F5	6.56e-03	1344	Known	(*50-51*)
13	M106RH	Gu	F5	1.04e-02	2129	Known	(*55*)
13	M106RH	SII	F5	5.88e-02	12064	Known	(*49-52, 55*)
13	M106RH	1	F5	2.48e-03	508	Known	(*52*)
13	M106RH	2	F5	2.03e-01	41664	Known	(*52, 55*)
13	M106RH	3	F5	1.05e-02	2149	Known	(*51-52, 55*)
13	M106RH	23	F5	1.46e-04	30	NFP	NA
13	M106RH	24a	F5	7.56e-04	155	Known	(*49-51, 55*)
13	M106RH	24b	F5	1.32e-04	27	Known	(*49, 51, 55*)
13	M106RH	24c	F5	8.51e-03	1745	Known	(*49-50, 55*)
13	M106RH	24d	F5	5.02e-04	103	Known	(*49, 51, 55*)
13	M106RH	29/30	F5	1.46e-05	3	NFP	NA
13	M106RH	32	F5	3.90e-05	8	NFP	NA

13	M106RH	F1	F5	4.30e-03	882	Known	(*50-51, 55*)
13	M106RH	F2	F5	1.20e-03	247	Known	(*50, 55*)
13	M106RH	F7	F5	3.90e-05	8	Known	(*55*)
13	M106RH	F3	F5	3.14e-02	6440	Known	(*49-51, 55*)
13	M106RH	F6	F5	3.41e-05	7	Known	(*55*)
13	M106RH	F4	F5	5.00e-01	102471	Known	(*49-51, 55*)
13	M106RH	ProM	F5	4.55e-02	9323	Known	(*35, 49-50, 55*)
13	M106RH	10	F5	9.27e-05	19	NFP	NA
13	M106RH	9	F5	4.88e-05	10	NFP	NA
13	M106RH	46d	F5	9.76e-05	20	Known	(*55*)
13	M106RH	46v	F5	1.12e-04	23	Known	(*55*)
13	M106RH	9/46d	F5	3.41e-05	7	Known	(*47*)
13	M106RH	9/46v	F5	2.84e-03	583	Known	(*44, 47, 49-51, 55*)
13	M106RH	8B	F5	4.39e-05	9	Known	(*55*)
13	M106RH	8l	F5	8.83e-04	181	Known	(*47, 55*)
13	M106RH	8m	F5	4.39e-05	9	Known	(*55*)
13	M106RH	8r	F5	2.59e-04	53	Known	(*55*)
13	M106RH	45B	F5	1.37e-04	28	Known	(*55*)
13	M106RH	45A	F5	2.93e-05	6	NFP	NA
13	M106RH	44	F5	2.86e-03	586	Known	(*49-51, 55*)
13	M106RH	OPRO	F5	7.96e-03	1631	NFP	NA
13	M106RH	OPAI	F5	2.93e-04	60	NFP	NA
13	M106RH	11	F5	1.51e-04	31	NFP	NA
13	M106RH	14	F5	1.46e-05	3	NFP	NA
13	M106RH	25	F5	4.88e-06	1	NFP	NA
13	M106RH	12	F5	1.22e-02	2492	Known	(*44, 49, 55*)
13	M106RH	13	F5	1.17e-04	24	Known	(*48*)
14	BB272LH	V2	8m	1.23e-04	10	Known	(*3, 34*)
14	BB272LH	V3	8m	4.91e-05	4	Known	(*3*)
14	BB272LH	V3A	8m	1.23e-05	1	Known	(*3*)
14	BB272LH	V4	8m	1.10e-04	9	Known	(*3, 56*)
14	BB272LH	V4t	8m	1.47e-04	12	Known	(*3, 26*)
14	BB272LH	7op	8m	5.76e-04	47	NFP	NA
14	BB272LH	7A	8m	1.64e-03	134	Known	(*3, 29, 34, 36-37*)
14	BB272LH	7B	8m	7.85e-04	64	Known	(*36*)
14	BB272LH	LIP	8m	6.28e-03	512	Known	(*3, 24, 26, 34, 56*)
14	BB272LH	VIP	8m	7.48e-04	61	Known	(*3, 34*)
14	BB272LH	MIP	8m	1.23e-05	1	NFP	NA
14	BB272LH	PIP	8m	3.68e-05	3	NFP	NA
14	BB272LH	AIP	8m	9.20e-04	75	NFP	NA
14	BB272LH	DP	8m	2.08e-04	17	Known	(*26, 34, 56*)
14	BB272LH	V6A	8m	5.89e-04	48	NFP	NA
14	BB272LH	5	8m	8.58e-05	7	Known	(*37*)
14	BB272LH	7m	8m	5.15e-04	42	NFP	NA
14	BB272LH	STPr	8m	1.47e-03	120	NFP	NA

14	BB272LH	STPi	8m	1.44e-02	1171	Known	(*26, 34, 39*)
14	BB272LH	STPc	8m	3.40e-02	2774	Known	(*3, 26, 33-34, 39, 56*)
14	BB272LH	TPt	8m	8.58e-05	7	Known	(*26, 34*)
14	BB272LH	PGa	8m	4.16e-03	339	Known	(*26, 34*)
14	BB272LH	IPa	8m	9.81e-05	8	Known	(*26*)
14	BB272LH	FST	8m	2.78e-03	227	Known	(*3, 20, 26, 56*)
14	BB272LH	MST	8m	2.10e-03	171	Known	(*3, 20, 26, 34, 56*)
14	BB272LH	MT	8m	6.87e-04	56	Known	(*3, 26, 56*)
14	BB272LH	TEOm	8m	2.45e-05	2	NFP	NA
14	BB272LH	PERI	8m	2.45e-05	2	NFP	NA
14	BB272LH	TEpd	8m	4.91e-05	4	Known	(*3*)
14	BB272LH	TEpv	8m	1.23e-05	1	Known	(*26*)
14	BB272LH	TEa/ma	8m	3.68e-05	3	NFP	NA
14	BB272LH	TEa/mp	8m	1.35e-04	11	NFP	NA
14	BB272LH	ENTO	8m	6.13e-05	5	NFP	NA
14	BB272LH	TH/TF	8m	1.23e-05	1	Known	(*57*)
14	BB272LH	POLE	8m	1.47e-04	12	Known	(*54*)
14	BB272LH	CORE	8m	7.11e-04	58	Known	(*34*)
14	BB272LH	MB	8m	1.74e-03	142	Known	(*34*)
14	BB272LH	LB	8m	1.17e-03	95	Known	(*33-34, 41*)
14	BB272LH	PBr	8m	1.19e-03	97	Known	(*34*)
14	BB272LH	PBc	8m	5.19e-03	423	Known	(*33-34, 36, 56*)
14	BB272LH	Parainsula	8m	1.47e-04	12	NFP	NA
14	BB272LH	INSULA	8m	3.00e-03	245	Known	(*56*)
14	BB272LH	Gu	8m	9.81e-05	8	NFP	NA
14	BB272LH	SII	8m	8.95e-04	73	NFP	NA
14	BB272LH	2	8m	4.91e-05	4	NFP	NA
14	BB272LH	3	8m	2.45e-05	2	Known	(*56*)
14	BB272LH	23	8m	2.58e-04	21	Known	(*34, 42*)
14	BB272LH	24a	8m	7.11e-04	58	Known	(*56*)
14	BB272LH	24b	8m	1.02e-03	83	Known	(*56*)
14	BB272LH	24c	8m	2.39e-03	195	Known	(*56*)
14	BB272LH	24d	8m	3.68e-04	30	NFP	NA
14	BB272LH	29/30	8m	1.23e-04	10	Known	(*42*)
14	BB272LH	31	8m	3.68e-05	3	Known	(*34*)
14	BB272LH	32	8m	2.94e-04	24	NFP	NA
14	BB272LH	F1	8m	8.58e-04	70	NFP	NA
14	BB272LH	F2	8m	2.16e-02	1760	Known	(*55*)
14	BB272LH	F7	8m	1.08e-01	8801	Known	(*34, 56*)
14	BB272LH	F3	8m	2.33e-04	19	NFP	NA
14	BB272LH	F6	8m	1.28e-03	104	Known	(*56*)
14	BB272LH	F4	8m	3.86e-02	3148	Known	(*56*)
14	BB272LH	F5	8m	7.03e-03	573	NFP	NA
14	BB272LH	ProM	8m	5.76e-04	47	NFP	NA
14	BB272LH	10	8m	2.11e-03	172	NFP	NA

14	BB272LH	9	8m	2.16e-03	176	Known	(*34, 56*)
14	BB272LH	46d	8m	1.12e-01	9125	Known	(*34, 56*)
14	BB272LH	46v	8m	3.37e-02	2746	Known	(*34, 56*)
14	BB272LH	9/46d	8m	3.78e-02	3083	Known	(*34, 47, 56*)
14	BB272LH	9/46v	8m	9.25e-02	7542	Known	(*34, 44*)
14	BB272LH	8B	8m	1.71e-02	1393	Known	(*34, 56*)
14	BB272LH	8l	8m	1.85e-01	15075	Known	(*34, 44, 47, 56*)
14	BB272LH	8r	8m	7.09e-02	5783	Known	(*34, 56*)
14	BB272LH	45B	8m	1.24e-01	10071	Known	(*34, 56*)
14	BB272LH	45A	8m	2.63e-02	2141	Known	(*34*)
14	BB272LH	44	8m	1.58e-02	1286	NFP	NA
14	BB272LH	OPRO	8m	2.21e-04	18	NFP	NA
14	BB272LH	OPAI	8m	6.13e-05	5	NFP	NA
14	BB272LH	11	8m	1.84e-04	15	NFP	NA
14	BB272LH	14	8m	9.81e-05	8	NFP	NA
14	BB272LH	12	8m	7.14e-03	582	Known	(*34, 56*)
14	BB272LH	13	8m	3.13e-03	255	NFP	NA
15	BB135LH	V1	7A	1.81e-05	2	NFP	NA
15	BB135LH	V2	7A	3.61e-05	4	Known	(*18, 58-59*)
15	BB135LH	V3A	7A	3.61e-05	4	NFP	NA
15	BB135LH	V4	7A	3.01e-03	333	Known	(*23, 59*)
15	BB135LH	7B	7A	5.51e-04	61	Known	(*60*)
15	BB135LH	LIP	7A	1.29e-01	14318	Known	(*3, 18, 23-24, 29, 58-60*)
15	BB135LH	VIP	7A	8.13e-05	9	Known	(*3, 60*)
15	BB135LH	MIP	7A	3.61e-05	4	Known	(*60*)
15	BB135LH	PIP	7A	3.16e-04	35	Known	(*3, 23, 59*)
15	BB135LH	DP	7A	2.05e-02	2272	Known	(*3, 18, 23, 29, 60*)
15	BB135LH	V6	7A	1.26e-04	14	Known	(*3, 27, 29*)
15	BB135LH	V6A	7A	7.83e-02	8665	Known	(*3, 18, 27, 29, 60*)
15	BB135LH	5	7A	1.02e-02	1133	Known	(*23, 60-62*)
15	BB135LH	7m	7A	2.11e-02	2334	Known	(*3, 23, 29, 58, 60, 63-64*)
15	BB135LH	STPr	7A	2.79e-03	309	Known	(*3, 18, 27, 29, 59-60, 65*)
15	BB135LH	STPi	7A	4.13e-02	4571	Known	(*3, 18, 27, 29, 59-60, 65*)
15	BB135LH	STPc	7A	1.31e-02	1455	Known	(*3, 18, 29, 59-60, 65*)
15	BB135LH	TPt	7A	1.64e-01	18147	Known	(*59-60*)
15	BB135LH	PGa	7A	1.07e-02	1181	Known	(*18, 27, 59, 65*)
15	BB135LH	IPa	7A	2.35e-03	260	Known	(*18, 27, 59-60, 65*)
15	BB135LH	FST	7A	8.66e-03	959	Known	(*3, 27, 59-60, 65*)
15	BB135LH	MST	7A	1.26e-01	13952	Known	(*3, 18, 23, 29, 58-60, 63*)
15	BB135LH	MT	7A	5.42e-05	6	Known	(*27, 59-60*)
15	BB135LH	TEO	7A	2.30e-03	255	Known	(*29, 59*)
15	BB135LH	TEOm	7A	2.29e-03	254	Known	(*29*)
15	BB135LH	PERI	7A	3.88e-03	429	Known	(*60, 66*)
15	BB135LH	TEav	7A	9.03e-05	10	NFP	NA
15	BB135LH	TEpd	7A	2.72e-03	301	Known	(*23, 29, 60*)

15	BB135LH	TEpv	7A	7.74e-02	8563	Known	(*18, 23, 59-60, 66*)
15	BB135LH	TEa/ma	7A	3.88e-04	43	Known	(*3, 18, 27, 59-60*)
15	BB135LH	TEa/mp	7A	4.39e-03	486	Known	(*3, 18, 29, 65*)
15	BB135LH	ENTO	7A	4.45e-03	493	Known	(*66*)
15	BB135LH	TH/TF	7A	8.31e-04	92	Known	(*3, 18, 23, 25, 29, 60, 66*)
15	BB135LH	POLE	7A	3.79e-04	42	Known	(*18, 66*)
15	BB135LH	MB	7A	4.52e-05	5	NFP	NA
15	BB135LH	LB	7A	1.81e-05	2	Known	(*41*)
15	BB135LH	INSULA	7A	1.27e-03	141	Known	(*60*)
15	BB135LH	2	7A	1.81e-05	2	Known	(*60-61*)
15	BB135LH	23	7A	9.21e-02	10197	Known	(*18, 29, 45, 60*)
15	BB135LH	24a	7A	9.03e-05	10	Known	(*18, 29, 60*)
15	BB135LH	24b	7A	5.87e-03	650	Known	(*29, 58, 60*)
15	BB135LH	29/30	7A	3.64e-02	4030	Known	(*18, 29, 60*)
15	BB135LH	31	7A	7.33e-02	8118	Known	(*29, 60*)
15	BB135LH	F1	7A	1.63e-04	18	NFP	NA
15	BB135LH	F2	7A	7.49e-03	829	Known	(*33, 60*)
15	BB135LH	F7	7A	9.03e-05	10	Known	(*60, 67*)
15	BB135LH	F3	7A	4.97e-04	55	Known	(*60*)
15	BB135LH	F5	7A	1.31e-03	145	Known	(*33, 60*)
15	BB135LH	9	7A	5.42e-05	6	Known	(*63, 67*)
15	BB135LH	46d	7A	1.46e-02	1612	Known	(*3, 23, 29, 58, 63, 67*)
15	BB135LH	46v	7A	1.45e-04	16	Known	(*3, 23, 29, 33, 58, 60, 63, 67*)
15	BB135LH	9/46d	7A	2.27e-03	251	Known	(*29, 47, 58, 60-61, 63, 67*)
15	BB135LH	9/46v	7A	3.80e-03	421	Known	(*33, 47, 58, 60, 67*)
15	BB135LH	8B	7A	7.52e-03	833	Known	(*23, 29, 33, 60, 63, 67*)
15	BB135LH	8l	7A	3.61e-04	40	Known	(*3, 29, 58, 60*)
15	BB135LH	8m	7A	1.94e-02	2144	Known	(*3, 22-23, 29, 33, 47, 58, 60, 67*)
15	BB135LH	45B	7A	1.35e-04	15	Known	(*33, 58, 60, 67*)
15	BB135LH	45A	7A	1.35e-03	149	Known	(*29, 33, 58, 60, 67*)
15	BB135LH	12	7A	6.32e-05	7	Known	(*33, 60*)
15	BB135LH	13	7A	1.81e-05	2	Known	(*67*)
16	M89LH	V1	DP	1.19e-05	3	NFP	NA
16	M89LH	V2	DP	7.94e-02	19967	Known	(*23*)
16	M89LH	V3	DP	5.04e-03	1269	Known	(*9, 23, 29*)
16	M89LH	V3A	DP	3.20e-02	8044	Known	(*3, 23*)
16	M89LH	V4	DP	3.38e-01	84923	Known	(*3, 11, 23, 29*)
16	M89LH	V4t	DP	7.91e-03	1989	NFP	NA
16	M89LH	Pro.St.	DP	2.31e-04	58	NFP	NA
16	M89LH	7A	DP	1.18e-01	29688	Known	(*3, 23, 29, 62*)
16	M89LH	LIP	DP	2.02e-02	5083	Known	(*3, 23-24, 29*)
16	M89LH	VIP	DP	9.14e-04	230	Known	(*23*)
16	M89LH	MIP	DP	6.49e-03	1632	Known	(*23*)
16	M89LH	PIP	DP	3.71e-02	9335	Known	(*3, 23*)
16	M89LH	V6	DP	2.02e-02	5083	Known	(*3, 68*)

16	M89LH	V6A	DP	3.88e-02	9766	Known	(*3, 29*)
16	M89LH	7m	DP	2.35e-04	59	Known	(*23*)
16	M89LH	STPr	DP	7.95e-06	2	NFP	NA
16	M89LH	STPi	DP	4.77e-05	12	NFP	NA
16	M89LH	STPc	DP	3.62e-04	91	NFP	NA
16	M89LH	TPt	DP	9.54e-05	24	NFP	NA
16	M89LH	PGa	DP	8.98e-04	226	NFP	NA
16	M89LH	IPa	DP	7.79e-04	196	NFP	NA
16	M89LH	FST	DP	1.04e-02	2609	NFP	NA
16	M89LH	MST	DP	5.18e-02	13042	Known	(*3, 20, 23, 29*)
16	M89LH	MT	DP	1.62e-01	40862	Known	(*23*)
16	M89LH	TEO	DP	3.38e-04	85	Known	(*23*)
16	M89LH	TEOm	DP	7.87e-03	1979	NFP	NA
16	M89LH	PERI	DP	5.56e-05	14	NFP	NA
16	M89LH	TEad	DP	3.18e-05	8	NFP	NA
16	M89LH	TEav	DP	4.77e-05	12	NFP	NA
16	M89LH	TEpd	DP	1.22e-03	306	Known	(*23*)
16	M89LH	TEpv	DP	2.70e-02	6782	Known	(*23*)
16	M89LH	TEa/ma	DP	3.70e-04	93	NFP	NA
16	M89LH	TEa/mp	DP	2.15e-04	54	NFP	NA
16	M89LH	ENTO	DP	4.61e-04	116	NFP	NA
16	M89LH	TH/TF	DP	1.80e-02	4528	Known	(*23*)
16	M89LH	SUB	DP	7.95e-06	2	NFP	NA
16	M89LH	PBc	DP	1.43e-04	36	NFP	NA
16	M89LH	INSULA	DP	3.97e-06	1	NFP	NA
16	M89LH	23	DP	2.02e-03	508	Known	(*42*)
16	M89LH	24b	DP	9.06e-04	228	NFP	NA
16	M89LH	24c	DP	2.78e-05	7	NFP	NA
16	M89LH	29/30	DP	3.97e-04	100	Known	(*42*)
16	M89LH	31	DP	2.15e-03	542	NFP	NA
16	M89LH	F2	DP	1.54e-03	387	NFP	NA
16	M89LH	F7	DP	5.68e-04	143	NFP	NA
16	M89LH	F4	DP	1.59e-05	4	NFP	NA
16	M89LH	F5	DP	1.59e-05	4	NFP	NA
16	M89LH	9	DP	1.59e-05	4	Known	(*3*)
16	M89LH	46d	DP	7.55e-04	190	Known	(*3, 23*)
16	M89LH	46v	DP	8.35e-05	21	NFP	NA
16	M89LH	9/46d	DP	7.83e-04	197	NFP	NA
16	M89LH	8B	DP	1.12e-03	283	Known	(*3*)
16	M89LH	8m	DP	1.90e-03	478	Known	(*3, 23*)
16	M89LH	8r	DP	4.41e-04	111	Known	(*23*)
16	M89LH	45B	DP	6.76e-04	170	Known	(*23*)
16	M89LH	45A	DP	1.59e-05	4	NFP	NA
16	M89LH	12	DP	3.97e-06	1	NFP	NA
17	M98LH	7op	2	2.06e-03	363	Known	(*35*)

17	M98LH	7A	2	5.69e-06	1	Known	(*35*)
17	M98LH	7B	2	2.03e-03	357	Known	(*3, 35, 37, 69*)
17	M98LH	LIP	2	1.57e-03	276	Known	(*35*)
17	M98LH	VIP	2	5.69e-06	1	Known	(*35*)
17	M98LH	AIP	2	2.44e-03	430	Known	(*35*)
17	M98LH	PERI	2	8.07e-04	142	NFP	NA
17	M98LH	TEav	2	1.42e-04	25	NFP	NA
17	M98LH	TEa/ma	2	6.82e-05	12	NFP	NA
17	M98LH	ENTO	2	1.44e-03	253	NFP	NA
17	M98LH	POLE	2	4.83e-04	85	NFP	NA
17	M98LH	MB	2	9.10e-05	16	NFP	NA
17	M98LH	LB	2	1.71e-05	3	NFP	NA
17	M98LH	INSULA	2	3.00e-02	5272	Known	(*35, 51*)
17	M98LH	Gu	2	7.76e-03	1365	NFP	NA
17	M98LH	SII	2	3.80e-01	66797	Known	(*3, 35, 51, 69-70*)
17	M98LH	1	2	9.26e-03	1628	Known	(*3, 35, 51, 69-70*)
17	M98LH	3	2	2.40e-01	42204	Known	(*3, 35, 51, 69-70*)
17	M98LH	24b	2	5.69e-05	10	Known	(*51*)
17	M98LH	24c	2	2.39e-04	42	NFP	NA
17	M98LH	24d	2	7.96e-05	14	Known	(*51*)
17	M98LH	31	2	2.84e-05	5	NFP	NA
17	M98LH	F1	2	4.32e-04	76	Known	(*3, 35, 51, 69-70*)
17	M98LH	F3	2	5.74e-04	101	Known	(*3, 51, 69*)
17	M98LH	F4	2	1.11e-01	19484	Known	(*35*)
17	M98LH	F5	2	1.42e-01	25018	Known	(*35, 51, 55*)
17	M98LH	ProM	2	4.24e-02	7453	Known	(*35*)
17	M98LH	46d	2	1.14e-05	2	NFP	NA
17	M98LH	9/46v	2	1.04e-02	1837	Known	(*35*)
17	M98LH	44	2	5.69e-04	100	Known	(*35*)
17	M98LH	OPRO	2	7.63e-03	1342	NFP	NA
17	M98LH	OPAI	2	2.10e-04	37	NFP	NA
17	M98LH	12	2	6.17e-03	1086	NFP	NA
17	M98LH	13	2	1.76e-04	31	NFP	NA
17	M98LH	PIRI	2	2.27e-05	4	NFP	NA
18	M70LH	7op	5	1.02e-01	3235	Known	(*35, 71*)
18	M70LH	7A	5	1.51e-01	4797	Known	(*3, 62, 71-73*)
18	M70LH	7B	5	1.14e-02	363	Known	(*3, 69, 72-73*)
18	M70LH	LIP	5	2.95e-03	94	Known	(*24*)
18	M70LH	VIP	5	1.68e-02	536	Known	(*73*)
18	M70LH	MIP	5	1.63e-03	52	Known	(*71-73*)
18	M70LH	AIP	5	1.00e-03	32	Known	(*73*)
18	M70LH	7m	5	1.82e-03	58	Known	(*64, 71-73*)
18	M70LH	STPi	5	2.01e-03	64	NFP	NA
18	M70LH	TPt	5	6.21e-03	198	NFP	NA
18	M70LH	MST	5	3.14e-04	10	Known	(*73*)

18	M70LH	PERI	5	1.26e-04	4	NFP	NA
18	M70LH	TEa/ma	5	2.51e-04	8	NFP	NA
18	M70LH	ENTO	5	3.77e-04	12	NFP	NA
18	M70LH	POLE	5	2.51e-04	8	NFP	NA
18	M70LH	MB	5	3.77e-04	12	NFP	NA
18	M70LH	INSULA	5	9.23e-03	294	Known	(*3, 71*)
18	M70LH	1	5	2.51e-03	80	Known	(*3, 69, 71*)
18	M70LH	2	5	3.63e-02	1158	Known	(*3, 69, 71*)
18	M70LH	3	5	3.21e-02	1022	Known	(*69, 71*)
18	M70LH	23	5	8.86e-02	2822	Known	(*71-73*)
18	M70LH	24a	5	6.28e-05	2	NFP	NA
18	M70LH	24b	5	1.26e-02	400	Known	(*71*)
18	M70LH	24d	5	6.03e-03	192	Known	(*71*)
18	M70LH	29/30	5	2.95e-03	94	Known	(*43*)
18	M70LH	31	5	2.01e-03	64	Known	(*71-72*)
18	M70LH	F1	5	3.37e-01	10733	Known	(*3, 71*)
18	M70LH	F2	5	1.18e-01	3746	Known	(*3, 71-73*)
18	M70LH	F7	5	3.14e-04	10	Known	(*3, 71*)
18	M70LH	F3	5	4.46e-02	1421	Known	(*3, 71-73*)
18	M70LH	F6	5	3.52e-03	112	Known	(*3, 73*)
18	M70LH	F5	5	6.84e-03	218	Known	(*3, 71*)
18	M70LH	46d	5	1.88e-04	6	Known	(*73*)
18	M70LH	12	5	1.26e-04	4	NFP	NA
19	M68LH	V2	7B	3.98e-05	3	NFP	NA
19	M68LH	7op	7B	1.52e-01	11436	Known	(*18, 35, 60, 74-75*)
19	M68LH	7A	7B	3.97e-01	29968	Known	(*51, 60, 62, 74*)
19	M68LH	LIP	7B	5.78e-02	4358	Known	(*18, 60, 74-75*)
19	M68LH	VIP	7B	6.06e-02	4568	Known	(*18, 51, 60, 74-75*)
19	M68LH	MIP	7B	7.14e-02	5386	Known	(*18, 51, 60, 74*)
19	M68LH	AIP	7B	2.68e-02	2022	Known	(*18, 51, 60, 74-75*)
19	M68LH	V6A	7B	1.38e-03	104	Known	(*60*)
19	M68LH	5	7B	2.18e-02	1644	Known	(*3, 18, 51, 60, 74-75*)
19	M68LH	7m	7B	1.86e-02	1405	Known	(*18, 51*)
19	M68LH	STPr	7B	1.59e-04	12	Known	(*60, 74*)
19	M68LH	STPi	7B	7.95e-05	6	Known	(*18, 60, 74-75*)
19	M68LH	STPc	7B	9.89e-03	746	Known	(*18, 60, 74*)
19	M68LH	TPt	7B	1.28e-02	966	Known	(*60*)
19	M68LH	PGa	7B	5.44e-04	41	NFP	NA
19	M68LH	MST	7B	1.30e-02	978	Known	(*18, 60*)
19	M68LH	MT	7B	1.70e-03	128	Known	(*60*)
19	M68LH	PERI	7B	7.95e-05	6	NFP	NA
19	M68LH	TEpv	7B	5.30e-05	4	NFP	NA
19	M68LH	TEa/ma	7B	3.05e-04	23	Known	(*18, 60, 74*)
19	M68LH	TH/TF	7B	1.59e-04	12	NFP	NA
19	M68LH	MB	7B	5.04e-04	38	Known	(*51*)

19	M68LH	LB	7B	1.44e-03	109	NFP	NA
19	M68LH	PBc	7B	5.30e-05	4	NFP	NA
19	M68LH	INSULA	7B	1.46e-02	1099	Known	(*18, 60, 74-75*)
19	M68LH	SII	7B	5.32e-02	4011	Known	(*3, 18, 51, 60, 74-75*)
19	M68LH	2	7B	3.08e-03	232	Known	(*3, 18, 60, 74-75*)
19	M68LH	23	7B	5.46e-03	412	Known	(*18, 51, 60, 75*)
19	M68LH	24b	7B	1.91e-03	144	Known	(*51, 60, 74*)
19	M68LH	24c	7B	3.98e-05	3	Known	(*18, 60*)
19	M68LH	24d	7B	1.67e-03	126	Known	(*60*)
19	M68LH	F1	7B	9.41e-04	71	Known	(*3, 60, 74*)
19	M68LH	F2	7B	2.93e-03	221	Known	(*3, 51, 60, 67, 74*)
19	M68LH	F3	7B	1.17e-03	88	Known	(*3, 18, 51, 60, 74*)
19	M68LH	F4	7B	1.19e-02	899	Known	(*3, 18, 60, 74*)
19	M68LH	F5	7B	3.66e-02	2763	Known	(*3, 18, 60, 67, 74*)
19	M68LH	ProM	7B	6.63e-04	50	Known	(*18, 60, 74*)
19	M68LH	46v	7B	6.76e-04	51	Known	(*60, 67*)
19	M68LH	9/46d	7B	2.52e-04	19	Known	(*60, 67, 74*)
19	M68LH	9/46v	7B	1.27e-02	958	Known	(*47, 60, 67, 74*)
19	M68LH	8m	7B	1.86e-04	14	Known	(*22, 60, 67*)
19	M68LH	45B	7B	3.45e-04	26	Known	(*60, 67, 74*)
19	M68LH	44	7B	2.72e-03	205	Known	(*51, 60, 67, 74*)
19	M68LH	12	7B	1.01e-03	76	Known	(*60, 67, 74*)
20	BB289LH	V2	STPr	5.28e-06	4	NFP	NA
20	BB289LH	V4	STPr	2.64e-06	2	NFP	NA
20	BB289LH	Pro.St.	STPr	9.64e-05	73	NFP	NA
20	BB289LH	7A	STPr	1.88e-04	142	Known	(*76-78*)
20	BB289LH	LIP	STPr	1.20e-04	91	NFP	NA
20	BB289LH	DP	STPr	3.70e-05	28	NFP	NA
20	BB289LH	STPi	STPr	2.33e-01	176360	Known	(*3, 78-79*)
20	BB289LH	STPc	STPr	2.93e-02	22189	Known	(*3, 78-79*)
20	BB289LH	TPt	STPr	1.32e-05	10	Known	(*78*)
20	BB289LH	PGa	STPr	3.33e-02	25236	Known	(*78-79*)
20	BB289LH	IPa	STPr	2.09e-02	15848	Known	(*78-79*)
20	BB289LH	FST	STPr	2.26e-03	1714	Known	(*78*)
20	BB289LH	MST	STPr	1.83e-02	13860	Known	(*78-79*)
20	BB289LH	MT	STPr	1.32e-05	10	Known	(*78-79*)
20	BB289LH	TEO	STPr	5.28e-06	4	NFP	NA
20	BB289LH	TEOm	STPr	2.06e-04	156	NFP	NA
20	BB289LH	PERI	STPr	9.93e-03	7516	Known	(*25, 66, 78*)
20	BB289LH	TEad	STPr	6.44e-04	488	Known	(*32*)
20	BB289LH	TEav	STPr	1.37e-02	10376	NFP	NA
20	BB289LH	TEpd	STPr	9.27e-04	702	NFP	NA
20	BB289LH	TEpv	STPr	1.61e-03	1218	Known	(*78*)
20	BB289LH	TEa/ma	STPr	4.48e-02	33936	Known	(*78*)
20	BB289LH	TEa/mp	STPr	3.94e-03	2982	NFP	NA

20	BB289LH	ENTO	STPr	3.86e-03	2920	Known	(*66*)
20	BB289LH	TH/TF	STPr	1.50e-02	11343	Known	(*3, 25, 66, 78*)
20	BB289LH	SUB	STPr	9.83e-04	744	NFP	NA
20	BB289LH	POLE	STPr	2.22e-01	168340	Known	(*66, 78, 80*)
20	BB289LH	CORE	STPr	9.61e-04	728	NFP	NA
20	BB289LH	MB	STPr	1.63e-02	12348	Known	(*78*)
20	BB289LH	LB	STPr	7.07e-03	5354	Known	(*78*)
20	BB289LH	PBr	STPr	1.94e-01	147032	Known	(*78*)
20	BB289LH	PBc	STPr	8.54e-03	6464	Known	(*76*)
20	BB289LH	Parainsula	STPr	5.27e-03	3994	Known	(*78*)
20	BB289LH	INSULA	STPr	9.51e-04	720	NFP	NA
20	BB289LH	Gu	STPr	5.28e-06	4	NFP	NA
20	BB289LH	23	STPr	5.48e-04	415	Known	(*42, 45, 78*)
20	BB289LH	24a	STPr	8.45e-04	640	NFP	NA
20	BB289LH	24b	STPr	1.29e-03	978	NFP	NA
20	BB289LH	24c	STPr	2.64e-04	200	NFP	NA
20	BB289LH	29/30	STPr	1.91e-04	145	Known	(*64, 78*)
20	BB289LH	32	STPr	1.56e-03	1184	Known	(*39, 81*)
20	BB289LH	F1	STPr	1.06e-05	8	NFP	NA
20	BB289LH	F2	STPr	1.58e-05	12	NFP	NA
20	BB289LH	F7	STPr	5.02e-05	38	NFP	NA
20	BB289LH	F4	STPr	5.28e-06	4	NFP	NA
20	BB289LH	10	STPr	3.23e-02	24421	Known	(*38-39, 81*)
20	BB289LH	9	STPr	1.66e-03	1255	Known	(*39*)
20	BB289LH	46d	STPr	9.75e-03	7382	Known	(*3*)
20	BB289LH	46v	STPr	8.70e-03	6590	Known	(*3*)
20	BB289LH	9/46d	STPr	9.91e-05	75	Known	(*3*)
20	BB289LH	9/46v	STPr	5.22e-04	395	Known	(*3*)
20	BB289LH	8B	STPr	5.81e-04	440	NFP	NA
20	BB289LH	8l	STPr	4.75e-05	36	NFP	NA
20	BB289LH	8m	STPr	3.43e-04	260	NFP	NA
20	BB289LH	8r	STPr	5.81e-05	44	NFP	NA
20	BB289LH	45B	STPr	7.82e-04	592	Known	(*39*)
20	BB289LH	45A	STPr	2.11e-03	1600	Known	(*39*)
20	BB289LH	44	STPr	1.11e-04	84	NFP	NA
20	BB289LH	OPRO	STPr	6.40e-03	4844	NFP	NA
20	BB289LH	OPAI	STPr	2.98e-04	226	NFP	NA
20	BB289LH	11	STPr	4.53e-03	3428	Known	(*38-39*)
20	BB289LH	14	STPr	1.26e-02	9577	Known	(*39*)
20	BB289LH	25	STPr	6.88e-03	5212	Known	(*38-39*)
20	BB289LH	12	STPr	1.70e-02	12885	Known	(*38-39*)
20	BB289LH	13	STPr	1.61e-03	1220	Known	(*38-39*)
20	BB289LH	PIRI	STPr	7.40e-05	56	NFP	NA
21	BB289LH	V4t	STPi	3.22e-05	3	NFP	NA
21	BB289LH	Pro.St.	STPi	7.52e-05	7	Known	(*78*)

21	BB289LH	LIP	STPi	4.30e-05	4	Known	(*78*)
21	BB289LH	STPr	STPi	2.21e-02	2054	Known	(*78-79*)
21	BB289LH	STPc	STPi	2.39e-01	22266	Known	(*19, 78-79*)
21	BB289LH	TPt	STPi	8.60e-05	8	Known	(*78*)
21	BB289LH	PGa	STPi	4.30e-03	400	Known	(*78-79*)
21	BB289LH	IPa	STPi	1.16e-03	108	NFP	NA
21	BB289LH	MST	STPi	7.11e-02	6616	Known	(*20, 78-79*)
21	BB289LH	MT	STPi	4.30e-05	4	Known	(*78-79*)
21	BB289LH	PERI	STPi	8.60e-05	8	Known	(*25, 66, 78*)
21	BB289LH	TEav	STPi	1.72e-04	16	Known	(*78*)
21	BB289LH	TEpd	STPi	1.50e-04	14	NFP	NA
21	BB289LH	TEa/ma	STPi	8.60e-05	8	NFP	NA
21	BB289LH	TEa/mp	STPi	4.08e-04	38	NFP	NA
21	BB289LH	TH/TF	STPi	6.45e-04	60	Known	(*25, 66, 78*)
21	BB289LH	POLE	STPi	1.30e-01	12098	Known	(*66, 78, 80*)
21	BB289LH	CORE	STPi	1.90e-02	1768	Known	(*78*)
21	BB289LH	MB	STPi	1.16e-02	1084	Known	(*78*)
21	BB289LH	LB	STPi	7.28e-02	6776	Known	(*78*)
21	BB289LH	PBr	STPi	3.15e-01	29306	Known	(*78*)
21	BB289LH	PBc	STPi	5.44e-02	5062	Known	(*76, 78*)
21	BB289LH	Parainsula	STPi	8.81e-04	82	Known	(*78*)
21	BB289LH	INSULA	STPi	6.23e-04	58	NFP	NA
21	BB289LH	Gu	STPi	4.30e-05	4	NFP	NA
21	BB289LH	23	STPi	4.62e-04	43	Known	(*42, 45, 78*)
21	BB289LH	24c	STPi	1.40e-04	13	Known	(*35, 39*)
21	BB289LH	24d	STPi	4.30e-05	4	NFP	NA
21	BB289LH	29/30	STPi	4.30e-05	4	Known	(*42-43, 64, 78*)
21	BB289LH	32	STPi	3.44e-04	32	Known	(*39*)
21	BB289LH	F7	STPi	8.60e-05	8	NFP	NA
21	BB289LH	F6	STPi	8.60e-05	8	NFP	NA
21	BB289LH	10	STPi	2.40e-02	2233	Known	(*38-39*)
21	BB289LH	9	STPi	4.73e-04	44	Known	(*39*)
21	BB289LH	46d	STPi	3.62e-03	337	Known	(*39*)
21	BB289LH	46v	STPi	2.47e-03	230	Known	(*39*)
21	BB289LH	9/46d	STPi	2.04e-04	19	Known	(*39*)
21	BB289LH	8B	STPi	2.15e-04	20	NFP	NA
21	BB289LH	8m	STPi	4.30e-05	4	Known	(*47*)
21	BB289LH	45A	STPi	3.87e-04	36	NFP	NA
21	BB289LH	OPRO	STPi	4.30e-04	40	NFP	NA
21	BB289LH	11	STPi	3.22e-04	30	NFP	NA
21	BB289LH	14	STPi	1.36e-02	1264	Known	(*39*)
21	BB289LH	25	STPi	2.71e-03	252	Known	(*39*)
21	BB289LH	12	STPi	6.07e-03	565	Known	(*38*)
21	BB289LH	13	STPi	2.15e-04	20	Known	(*38*)
22	M90RH	V2	STPc	3.88e-04	112	Known	(*78*)

22	M90RH	V3A	STPc	2.77e-05	8	NFP	NA
22	M90RH	V4	STPc	1.36e-03	392	Known	(*78*)
22	M90RH	Pro.St.	STPc	1.94e-04	56	Known	(*78*)
22	M90RH	7op	STPc	8.03e-04	232	Known	(*35, 78*)
22	M90RH	7A	STPc	1.41e-03	408	Known	(*62, 76-78*)
22	M90RH	7B	STPc	2.21e-04	64	Known	(*78*)
22	M90RH	LIP	STPc	2.79e-02	8072	Known	(*24, 78*)
22	M90RH	VIP	STPc	5.54e-05	16	NFP	NA
22	M90RH	PIP	STPc	4.79e-03	1384	Known	(*78*)
22	M90RH	DP	STPc	1.94e-04	56	NFP	NA
22	M90RH	V6A	STPc	1.38e-05	4	NFP	NA
22	M90RH	5	STPc	2.77e-05	8	Known	(*62*)
22	M90RH	7m	STPc	4.15e-05	12	Known	(*64, 78*)
22	M90RH	STPr	STPc	1.47e-02	4240	Known	(*3, 78-79*)
22	M90RH	STPi	STPc	4.19e-01	121034	Known	(*3, 78-79*)
22	M90RH	TPt	STPc	4.48e-02	12956	Known	(*78*)
22	M90RH	PGa	STPc	1.17e-02	3382	Known	(*78-79*)
22	M90RH	IPa	STPc	6.04e-03	1744	Known	(*78*)
22	M90RH	FST	STPc	6.09e-03	1760	Known	(*3*)
22	M90RH	MST	STPc	1.81e-01	52360	Known	(*3, 20, 78*)
22	M90RH	MT	STPc	7.20e-04	208	Known	(*79*)
22	M90RH	TEO	STPc	1.66e-04	48	NFP	NA
22	M90RH	TEOm	STPc	3.05e-04	88	NFP	NA
22	M90RH	PERI	STPc	6.51e-04	188	Known	(*25*)
22	M90RH	TEad	STPc	7.47e-04	216	NFP	NA
22	M90RH	TEav	STPc	3.88e-04	112	Known	(*78*)
22	M90RH	TEpd	STPc	7.89e-04	228	NFP	NA
22	M90RH	TEpv	STPc	1.40e-03	404	NFP	NA
22	M90RH	TEa/ma	STPc	5.12e-04	148	NFP	NA
22	M90RH	TEa/mp	STPc	3.74e-04	108	NFP	NA
22	M90RH	ENTO	STPc	5.81e-04	168	NFP	NA
22	M90RH	TH/TF	STPc	9.14e-03	2640	Known	(*3, 25, 78*)
22	M90RH	SUB	STPc	3.53e-04	102	NFP	NA
22	M90RH	POLE	STPc	3.77e-03	1088	Known	(*79*)
22	M90RH	CORE	STPc	1.30e-02	3768	NFP	NA
22	M90RH	MB	STPc	2.38e-02	6870	Known	(*78*)
22	M90RH	LB	STPc	5.58e-02	16124	NFP	NA
22	M90RH	PBr	STPc	1.99e-02	5736	Known	(*78*)
22	M90RH	PBc	STPc	9.00e-02	26006	Known	(*76, 78*)
22	M90RH	Parainsula	STPc	2.15e-04	62	NFP	NA
22	M90RH	INSULA	STPc	1.96e-02	5678	Known	(*78*)
22	M90RH	2	STPc	6.92e-05	20	NFP	NA
22	M90RH	23	STPc	3.09e-03	892	Known	(*42, 45, 78*)
22	M90RH	24b	STPc	4.57e-04	132	NFP	NA
22	M90RH	24c	STPc	1.38e-05	4	NFP	NA

22	M90RH	29/30	STPc	3.32e-04	96	Known	(*64*)
22	M90RH	31	STPc	1.74e-03	504	Known	(*78*)
22	M90RH	F7	STPc	7.47e-04	216	NFP	NA
22	M90RH	F6	STPc	1.38e-05	4	NFP	NA
22	M90RH	F5	STPc	1.01e-03	292	NFP	NA
22	M90RH	10	STPc	1.43e-03	412	NFP	NA
22	M90RH	9	STPc	2.77e-05	8	NFP	NA
22	M90RH	46d	STPc	6.87e-03	1984	Known	(*3, 39*)
22	M90RH	46v	STPc	2.99e-03	864	Known	(*3, 39*)
22	M90RH	9/46d	STPc	2.24e-03	648	Known	(*39*)
22	M90RH	8B	STPc	8.03e-04	232	Known	(*39*)
22	M90RH	8l	STPc	4.84e-04	140	Known	(*3, 39*)
22	M90RH	8m	STPc	6.88e-03	1988	Known	(*3, 22, 39, 47*)
22	M90RH	8r	STPc	6.78e-04	196	Known	(*3, 39*)
22	M90RH	45B	STPc	7.47e-04	216	Known	(*3*)
22	M90RH	45A	STPc	1.38e-05	4	Known	(*39*)
22	M90RH	12	STPc	4.08e-03	1180	Known	(*39*)
22	M90RH	13	STPc	2.22e-03	642	NFP	NA
23	M108LH	V2	PBr	1.12e-05	4	NFP	NA
23	M108LH	V4	PBr	2.24e-05	8	NFP	NA
23	M108LH	Pro.St.	PBr	6.21e-03	2219	NFP	NA
23	M108LH	7A	PBr	2.24e-05	8	NFP	NA
23	M108LH	LIP	PBr	8.39e-06	3	NFP	NA
23	M108LH	DP	PBr	5.59e-05	20	NFP	NA
23	M108LH	7m	PBr	2.13e-04	76	NFP	NA
23	M108LH	STPr	PBr	6.96e-02	24873	Known	(*65, 80, 82-83*)
23	M108LH	STPi	PBr	2.89e-01	103294	Known	(*19, 65, 80, 82-83*)
23	M108LH	STPc	PBr	6.18e-02	22105	Known	(*19, 65, 79-80, 82-83*)
23	M108LH	TPt	PBr	7.38e-04	264	Known	(*82*)
23	M108LH	PGa	PBr	2.42e-03	866	Known	(*65, 83*)
23	M108LH	IPa	PBr	6.43e-05	23	Known	(*83*)
23	M108LH	FST	PBr	1.01e-04	36	Known	(*83*)
23	M108LH	MST	PBr	1.09e-04	39	NFP	NA
23	M108LH	PERI	PBr	1.18e-03	423	Known	(*25*)
23	M108LH	ENTO	PBr	7.84e-03	2803	NFP	NA
23	M108LH	TH/TF	PBr	2.49e-02	8918	Known	(*25*)
23	M108LH	SUB	PBr	2.80e-05	10	NFP	NA
23	M108LH	POLE	PBr	1.40e-01	49969	Known	(*38, 80, 82-83*)
23	M108LH	CORE	PBr	8.21e-02	29350	Known	(*82-83*)
23	M108LH	MB	PBr	9.18e-02	32822	Known	(*80, 82-83*)
23	M108LH	LB	PBr	4.88e-02	17456	Known	(*80, 82-83*)
23	M108LH	PBc	PBr	9.70e-02	34695	Known	(*80, 82-83*)
23	M108LH	Parainsula	PBr	7.58e-03	2709	Known	(*83*)
23	M108LH	INSULA	PBr	1.31e-03	467	Known	(*80, 82-83*)
23	M108LH	23	PBr	1.26e-02	4490	Known	(*42, 84*)

23	M108LH	24a	PBr	1.23e-03	440	NFP	NA
23	M108LH	24b	PBr	1.03e-03	367	Known	(*38*)
23	M108LH	24c	PBr	1.09e-04	39	Known	(*38, 85*)
23	M108LH	24d	PBr	2.24e-05	8	NFP	NA
23	M108LH	29/30	PBr	7.86e-03	2812	NFP	NA
23	M108LH	31	PBr	1.79e-03	639	NFP	NA
23	M108LH	32	PBr	2.60e-03	931	Known	(*38, 45, 81, 85*)
23	M108LH	F7	PBr	1.31e-04	47	Known	(*38*)
23	M108LH	F6	PBr	2.24e-05	8	NFP	NA
23	M108LH	ProM	PBr	8.39e-06	3	NFP	NA
23	M108LH	10	PBr	8.73e-03	3121	Known	(*38, 40, 81, 85*)
23	M108LH	9	PBr	1.23e-03	440	Known	(*38, 45, 85*)
23	M108LH	46d	PBr	4.12e-03	1474	Known	(*38, 40, 85*)
23	M108LH	46v	PBr	8.53e-04	305	Known	(*85*)
23	M108LH	9/46d	PBr	4.07e-03	1456	Known	(*38, 40, 85*)
23	M108LH	8B	PBr	8.98e-04	321	NFP	NA
23	M108LH	8l	PBr	2.80e-06	1	NFP	NA
23	M108LH	8m	PBr	4.36e-04	156	Known	(*38, 40*)
23	M108LH	8r	PBr	5.59e-06	2	NFP	NA
23	M108LH	45B	PBr	5.03e-05	18	NFP	NA
23	M108LH	45A	PBr	3.69e-04	132	Known	(*38*)
23	M108LH	OPRO	PBr	3.83e-03	1369	Known	(*38, 85*)
23	M108LH	OPAI	PBr	2.50e-03	893	Known	(*38, 85*)
23	M108LH	11	PBr	6.82e-04	244	Known	(*81, 85*)
23	M108LH	14	PBr	1.34e-04	48	Known	(*38, 40, 85*)
23	M108LH	25	PBr	1.09e-03	389	Known	(*38, 85*)
23	M108LH	12	PBr	7.80e-03	2788	Known	(*38, 40, 85*)
23	M108LH	13	PBr	2.98e-03	1067	Known	(*38, 40, 85*)
23	M108LH	PIRI	PBr	2.85e-04	102	NFP	NA
24	M128LH	V2	TEpd	1.75e-04	70	Known	(*86*)
24	M128LH	V3	TEpd	1.90e-04	76	NFP	NA
24	M128LH	V3A	TEpd	3.51e-04	140	NFP	NA
24	M128LH	V4	TEpd	2.74e-02	10928	Known	(*3, 27, 86*)
24	M128LH	V4t	TEpd	5.76e-05	23	Known	(*27, 86*)
24	M128LH	Pro.St.	TEpd	5.01e-05	20	NFP	NA
24	M128LH	7A	TEpd	2.02e-03	806	Known	(*3, 29*)
24	M128LH	LIP	TEpd	2.83e-03	1128	Known	(*86*)
24	M128LH	PIP	TEpd	1.10e-04	44	NFP	NA
24	M128LH	DP	TEpd	8.02e-05	32	NFP	NA
24	M128LH	STPr	TEpd	4.29e-04	171	Known	(*3*)
24	M128LH	STPi	TEpd	2.51e-05	10	NFP	NA
24	M128LH	STPc	TEpd	5.01e-06	2	NFP	NA
24	M128LH	PGa	TEpd	4.44e-04	177	Known	(*27, 65*)
24	M128LH	IPa	TEpd	6.35e-03	2532	Known	(*27, 65*)
24	M128LH	FST	TEpd	1.05e-03	417	Known	(*27, 65, 86*)

24	M128LH	MST	TEpd	1.00e-05	4	Known	(*86*)
24	M128LH	MT	TEpd	1.50e-05	6	Known	(*65, 86*)
24	M128LH	TEO	TEpd	1.38e-01	54911	Known	(*3, 27, 86*)
24	M128LH	TEOm	TEpd	1.74e-02	6952	Known	(*19, 65, 86-87*)
24	M128LH	PERI	TEpd	3.51e-02	13992	Known	(*25, 66*)
24	M128LH	TEad	TEpd	2.69e-01	107159	Known	(*32*)
24	M128LH	TEav	TEpd	1.15e-01	45866	Known	(*32*)
24	M128LH	TEpv	TEpd	3.90e-02	15545	Known	(*86*)
24	M128LH	TEa/ma	TEpd	6.52e-02	25999	Known	(*65*)
24	M128LH	TEa/mp	TEpd	2.44e-01	97279	Known	(*65, 86*)
24	M128LH	ENTO	TEpd	3.43e-04	137	Known	(*66*)
24	M128LH	TH/TF	TEpd	1.62e-02	6460	Known	(*3, 25, 66*)
24	M128LH	POLE	TEpd	1.17e-03	467	Known	(*66*)
24	M128LH	CORE	TEpd	7.52e-06	3	NFP	NA
24	M128LH	MB	TEpd	5.01e-06	2	NFP	NA
24	M128LH	LB	TEpd	1.50e-05	6	NFP	NA
24	M128LH	PBr	TEpd	6.01e-05	24	NFP	NA
24	M128LH	Parainsula	TEpd	5.01e-06	2	NFP	NA
24	M128LH	INSULA	TEpd	7.77e-05	31	NFP	NA
24	M128LH	SII	TEpd	4.94e-04	197	NFP	NA
24	M128LH	3	TEpd	5.01e-06	2	NFP	NA
24	M128LH	23	TEpd	7.52e-06	3	NFP	NA
24	M128LH	24a	TEpd	2.71e-04	108	NFP	NA
24	M128LH	24b	TEpd	3.51e-05	14	NFP	NA
24	M128LH	F6	TEpd	1.50e-05	6	NFP	NA
24	M128LH	F5	TEpd	7.52e-06	3	NFP	NA
24	M128LH	46d	TEpd	1.50e-05	6	Known	(*3, 33*)
24	M128LH	46v	TEpd	4.09e-04	163	Known	(*26, 38*)
24	M128LH	9/46v	TEpd	1.42e-03	566	Known	(*26, 38, 86*)
24	M128LH	8l	TEpd	4.59e-03	1833	Known	(*33, 38, 86*)
24	M128LH	8m	TEpd	2.51e-05	10	Known	(*3*)
24	M128LH	8r	TEpd	1.92e-03	766	Known	(*33, 86*)
24	M128LH	45B	TEpd	6.49e-03	2588	Known	(*26, 33, 38, 86*)
24	M128LH	45A	TEpd	9.42e-04	376	Known	(*33, 38, 86*)
24	M128LH	44	TEpd	2.76e-05	11	Known	(*33, 38*)
24	M128LH	OPRO	TEpd	8.02e-05	32	Known	(*38*)
24	M128LH	OPAI	TEpd	1.00e-05	4	Known	(*38*)
24	M128LH	11	TEpd	3.51e-05	14	NFP	NA
24	M128LH	12	TEpd	1.82e-03	727	Known	(*3, 26, 33, 38, 86*)
24	M128LH	13	TEpd	3.41e-04	136	Known	(*38*)
24	M128LH	PIRI	TEpd	8.02e-05	32	NFP	NA
25	NICO	7op	24c	3.49e-03	252	Known	(*35, 88*)
25	NICO	7A	24c	7.96e-03	575	Known	(*37, 88*)
25	NICO	7B	24c	4.32e-03	312	Known	(*36, 88*)
25	NICO	LIP	24c	2.22e-04	16	NFP	NA

25	NICO	VIP	24c	1.38e-04	10	Known	(*88*)
25	NICO	MIP	24c	8.24e-03	595	NFP	NA
25	NICO	V6	24c	1.38e-04	10	NFP	NA
25	NICO	V6A	24c	8.06e-03	582	NFP	NA
25	NICO	5	24c	2.56e-02	1847	Known	(*88*)
25	NICO	7m	24c	1.95e-02	1410	Known	(*88-89*)
25	NICO	STPr	24c	2.77e-05	2	Known	(*38, 64, 88*)
25	NICO	STPi	24c	4.15e-05	3	Known	(*88*)
25	NICO	STPc	24c	1.52e-04	11	Known	(*88*)
25	NICO	IPa	24c	2.77e-05	2	Known	(*88*)
25	NICO	MST	24c	1.66e-04	12	Known	(*88*)
25	NICO	TEpv	24c	2.77e-05	2	NFP	NA
25	NICO	CORE	24c	2.77e-05	2	NFP	NA
25	NICO	LB	24c	2.77e-05	2	NFP	NA
25	NICO	INSULA	24c	1.75e-02	1263	Known	(*88-89*)
25	NICO	SII	24c	2.80e-03	202	Known	(*88-89*)
25	NICO	1	24c	2.77e-05	2	Known	(*88*)
25	NICO	2	24c	2.24e-03	162	Known	(*88*)
25	NICO	3	24c	5.26e-04	38	Known	(*90*)
25	NICO	23	24c	2.40e-02	1733	Known	(*45, 88-91*)
25	NICO	24a	24c	4.36e-03	315	Known	(*88-89, 91-92*)
25	NICO	24b	24c	1.18e-01	8557	Known	(*88-89, 91-92*)
25	NICO	24d	24c	1.02e-01	7340	Known	(*88-92*)
25	NICO	29/30	24c	4.15e-05	3	Known	(*88-89*)
25	NICO	31	24c	3.18e-04	23	Known	(*88*)
25	NICO	32	24c	1.94e-03	140	Known	(*45-46, 88-90*)
25	NICO	F1	24c	1.12e-02	807	Known	(*88, 90-91*)
25	NICO	F2	24c	4.91e-02	3547	Known	(*88, 90-92*)
25	NICO	F7	24c	8.05e-02	5812	Known	(*88, 90-92*)
25	NICO	F3	24c	1.15e-01	8309	Known	(*88, 90-92*)
25	NICO	F6	24c	2.62e-01	18928	Known	(*88, 90-92*)
25	NICO	F4	24c	3.07e-03	222	Known	(*90, 92*)
25	NICO	F5	24c	2.21e-02	1598	Known	(*55, 88, 90-92*)
25	NICO	ProM	24c	2.20e-03	159	Known	(*35, 88, 90*)
25	NICO	10	24c	1.52e-04	11	Known	(*46, 88, 90*)
25	NICO	9	24c	1.33e-02	964	Known	(*46, 88, 90, 92*)
25	NICO	46d	24c	4.85e-04	35	Known	(*88, 90, 92*)
25	NICO	46v	24c	2.31e-03	167	Known	(*88, 90, 92*)
25	NICO	9/46d	24c	5.11e-03	369	Known	(*88, 90-92*)
25	NICO	9/46v	24c	7.48e-04	54	Known	(*44, 88, 92*)
25	NICO	8B	24c	4.29e-02	3096	Known	(*47, 88, 90, 92*)
25	NICO	8l	24c	8.31e-05	6	Known	(*92*)
25	NICO	8m	24c	2.77e-05	2	Known	(*88, 90, 92*)
25	NICO	8r	24c	2.77e-05	2	Known	(*90, 92*)
25	NICO	45B	24c	8.31e-05	6	Known	(*92*)

25	NICO	44	24c	1.60e-02	1158	Known	(*88, 90, 92*)
25	NICO	OPRO	24c	6.37e-04	46	Known	(*46, 88-90*)
25	NICO	11	24c	4.15e-05	3	Known	(*46, 88, 90, 92-93*)
25	NICO	12	24c	2.08e-02	1500	Known	(*44, 46, 88, 90, 92*)
26	M69LH	7op	F1	6.60e-03	586	Known	(*94*)
26	M69LH	7A	F1	3.60e-04	32	Known	(*51, 94-95*)
26	M69LH	5	F1	1.09e-01	9683	Known	(*3, 37, 51, 70, 88, 94-97*)
26	M69LH	STPc	F1	9.00e-05	8	Known	(*94*)
26	M69LH	MST	F1	1.91e-04	17	NFP	NA
26	M69LH	MB	F1	3.15e-04	28	Known	(*51*)
26	M69LH	INSULA	F1	2.66e-03	236	Known	(*51, 88, 94, 96, 98*)
26	M69LH	1	F1	1.22e-03	108	Known	(*51, 70, 88, 94, 97-98*)
26	M69LH	2	F1	1.25e-01	11148	Known	(*3, 50-51, 70, 88, 94-99*)
26	M69LH	3	F1	9.93e-03	882	Known	(*50-51, 69-70, 88, 94, 96-100*)
26	M69LH	23	F1	3.21e-02	2848	Known	(*88, 90, 94, 98*)
26	M69LH	24b	F1	4.24e-03	377	Known	(*50-51, 94, 96, 100*)
26	M69LH	24c	F1	4.32e-03	384	Known	(*51, 90, 94, 96-97, 100-101*)
26	M69LH	24d	F1	2.08e-02	1845	Known	(*50-51, 88, 90, 94, 96, 101*)
26	M69LH	29/30	F1	4.50e-05	4	Known	(*94*)
26	M69LH	F2	F1	4.02e-01	35723	Known	(*3, 51, 55, 88, 90, 94, 96*)
26	M69LH	F7	F1	3.34e-03	297	Known	(*3, 51, 88, 94*)
26	M69LH	F3	F1	2.30e-01	20431	Known	(*3, 50-51, 90, 94, 96-98, 100-101*)
26	M69LH	F6	F1	7.80e-03	693	Known	(*51, 94*)
26	M69LH	F4	F1	2.94e-02	2615	Known	(*3, 50-51, 90, 94, 96-97, 100*)
26	M69LH	F5	F1	9.00e-03	800	Known	(*3, 50-51, 55, 90, 94, 97-98, 100*)
26	M69LH	ProM	F1	3.60e-04	32	Known	(*50, 90, 94, 100*)
26	M69LH	9	F1	4.50e-05	4	NFP	NA
26	M69LH	8B	F1	3.60e-04	32	Known	(*94*)
26	M69LH	8m	F1	4.50e-05	4	Known	(*94*)
26	M69LH	44	F1	4.05e-04	36	Known	(*50-51, 94*)
27	M102LH	7op	F2	1.24e-02	1417	Known	(*35, 102-103*)
27	M102LH	7A	F2	8.33e-03	951	Known	(*34, 36-37, 52, 104*)
27	M102LH	7B	F2	5.25e-05	6	Known	(*34, 52, 73, 102-103*)
27	M102LH	LIP	F2	7.01e-05	8	Known	(*52, 102, 104*)
27	M102LH	VIP	F2	7.88e-05	9	Known	(*52, 73, 102-103*)
27	M102LH	MIP	F2	2.21e-03	252	Known	(*34, 52, 73, 95, 99, 102-103*)
27	M102LH	AIP	F2	5.25e-05	6	Known	(*34, 52, 73, 99*)
27	M102LH	5	F2	1.88e-02	2146	Known	(*34, 37, 52, 70, 73, 88, 99, 102-103*)
27	M102LH	7m	F2	7.47e-03	853	Known	(*34, 37, 52, 73, 88, 95, 99, 102-103*)
27	M102LH	STPr	F2	4.38e-05	5	NFP	NA
27	M102LH	STPi	F2	4.47e-04	51	Known	(*39*)
27	M102LH	STPc	F2	3.77e-04	43	Known	(*104*)
27	M102LH	TPt	F2	1.35e-02	1546	Known	(*88, 104*)
27	M102LH	PGa	F2	1.23e-04	14	NFP	NA

27	M102LH	IPa	F2	5.25e-05	6	NFP	NA
27	M102LH	MST	F2	4.03e-04	46	Known	(*104*)
27	M102LH	MT	F2	8.76e-06	1	NFP	NA
27	M102LH	PERI	F2	3.50e-05	4	NFP	NA
27	M102LH	TEa/ma	F2	5.25e-05	6	NFP	NA
27	M102LH	POLE	F2	2.63e-05	3	NFP	NA
27	M102LH	MB	F2	3.07e-04	35	NFP	NA
27	M102LH	PBr	F2	6.13e-05	7	NFP	NA
27	M102LH	Parainsula	F2	9.63e-05	11	Known	(*88*)
27	M102LH	INSULA	F2	6.48e-03	740	Known	(*88, 92*)
27	M102LH	SII	F2	5.25e-05	6	Known	(*52, 88*)
27	M102LH	3	F2	5.80e-03	662	Known	(*52, 103*)
27	M102LH	23	F2	8.35e-02	9530	Known	(*34, 52, 88, 99, 103, 105*)
27	M102LH	24a	F2	3.15e-04	36	Known	(*88, 105*)
27	M102LH	24b	F2	2.13e-02	2429	Known	(*34, 88, 103, 105*)
27	M102LH	24c	F2	3.12e-02	3567	Known	(*34, 73, 88, 102-103, 105*)
27	M102LH	24d	F2	1.35e-01	15382	Known	(*34, 55, 73, 88, 102-103, 105*)
27	M102LH	31	F2	1.05e-04	12	Known	(*34, 88*)
27	M102LH	F1	F2	1.63e-01	18590	Known	(*34, 52, 55, 73, 88, 102-103, 105*)
27	M102LH	F7	F2	2.43e-02	2770	Known	(*34, 55, 73, 88, 102-103, 105*)
27	M102LH	F3	F2	3.40e-01	38856	Known	(*34, 55, 73, 88, 102-103, 105*)
27	M102LH	F6	F2	7.54e-02	8612	Known	(*34, 55, 73, 88, 103, 105*)
27	M102LH	F4	F2	4.23e-03	483	Known	(*73, 88, 105*)
27	M102LH	F5	F2	4.19e-02	4788	Known	(*73, 102-103, 105*)
27	M102LH	ProM	F2	7.88e-05	9	NFP	NA
27	M102LH	46v	F2	4.55e-04	52	Known	(*105*)
27	M102LH	9/46d	F2	1.66e-04	19	Known	(*34, 47, 103, 105*)
27	M102LH	9/46v	F2	2.54e-04	29	Known	(*88, 92*)
27	M102LH	8B	F2	1.31e-04	15	Known	(*34, 47, 55, 88, 103, 105*)
27	M102LH	8l	F2	1.75e-05	2	Known	(*73, 102*)
27	M102LH	8m	F2	2.54e-04	29	Known	(*44, 47, 73, 88, 102*)
27	M102LH	8r	F2	2.63e-05	3	Known	(*105*)
27	M102LH	45B	F2	4.38e-05	5	NFP	NA
27	M102LH	44	F2	6.83e-04	78	Known	(*73*)
27	M102LH	OPRO	F2	2.45e-04	28	NFP	NA
27	M102LH	12	F2	1.23e-04	14	NFP	NA
27	M102LH	13	F2	7.01e-05	8	NFP	NA
28	M102LH	V2	F7	9.04e-05	8	NFP	NA
28	M102LH	7op	F7	3.84e-04	34	Known	(*35, 88, 106*)
28	M102LH	7A	F7	2.12e-03	188	Known	(*36-37, 73, 102*)
28	M102LH	7B	F7	5.65e-05	5	Known	(*73, 88, 106*)
28	M102LH	LIP	F7	4.41e-04	39	Known	(*88, 99, 106*)
28	M102LH	VIP	F7	1.13e-05	1	NFP	NA
28	M102LH	5	F7	2.26e-05	2	Known	(*37, 73, 102*)
28	M102LH	7m	F7	5.63e-03	498	Known	(*37, 73, 88, 99, 102*)

28	M102LH	STPr	F7	6.58e-03	582	Known	(*88, 104, 106*)
28	M102LH	STPi	F7	1.17e-02	1033	Known	(*88, 104, 106*)
28	M102LH	STPc	F7	1.84e-03	163	Known	(*39, 88, 99, 102, 104, 106*)
28	M102LH	TPt	F7	1.74e-03	154	Known	(*88, 106*)
28	M102LH	PGa	F7	2.86e-03	253	Known	(*88, 99, 104, 106*)
28	M102LH	IPa	F7	2.98e-03	264	Known	(*88, 99, 104*)
28	M102LH	FST	F7	7.91e-05	7	Known	(*99, 104, 106*)
28	M102LH	MST	F7	6.33e-04	56	Known	(*99, 106*)
28	M102LH	TEO	F7	4.52e-05	4	NFP	NA
28	M102LH	PERI	F7	5.65e-05	5	NFP	NA
28	M102LH	TEav	F7	6.78e-05	6	NFP	NA
28	M102LH	TEa/ma	F7	9.15e-04	81	Known	(*104*)
28	M102LH	TEa/mp	F7	2.26e-05	2	Known	(*104*)
28	M102LH	POLE	F7	5.99e-04	53	Known	(*88*)
28	M102LH	MB	F7	1.58e-03	140	NFP	NA
28	M102LH	PBr	F7	2.55e-03	226	NFP	NA
28	M102LH	PBc	F7	2.26e-05	2	Known	(*106*)
28	M102LH	Parainsula	F7	5.65e-04	50	Known	(*88*)
28	M102LH	INSULA	F7	2.46e-03	218	Known	(*88, 106*)
28	M102LH	SII	F7	2.26e-05	2	Known	(*88*)
28	M102LH	1	F7	1.13e-05	1	NFP	NA
28	M102LH	3	F7	1.13e-04	10	NFP	NA
28	M102LH	23	F7	3.04e-02	2691	Known	(*42, 73, 88, 99, 106*)
28	M102LH	24a	F7	1.08e-02	956	Known	(*88, 105-106*)
28	M102LH	24b	F7	6.48e-02	5733	Known	(*88, 102, 105-106*)
28	M102LH	24c	F7	9.32e-02	8249	Known	(*55, 73, 88, 102, 105-106*)
28	M102LH	24d	F7	1.78e-02	1578	Known	(*88, 102, 105-106*)
28	M102LH	31	F7	4.84e-03	428	Known	(*88*)
28	M102LH	32	F7	2.49e-04	22	Known	(*107*)
28	M102LH	F1	F7	2.94e-04	26	Known	(*55, 73, 88, 106*)
28	M102LH	F2	F7	9.72e-02	8602	Known	(*55, 73, 88, 102, 105-106*)
28	M102LH	F3	F7	1.01e-02	890	Known	(*55, 88, 102, 105-106*)
28	M102LH	F6	F7	2.42e-01	21432	Known	(*55, 73, 88, 102, 105-106*)
28	M102LH	F4	F7	2.72e-03	241	Known	(*55, 88, 105-106*)
28	M102LH	F5	F7	2.14e-03	189	Known	(*55, 73, 88, 102, 105*)
28	M102LH	ProM	F7	1.81e-04	16	Known	(*88, 106*)
28	M102LH	10	F7	1.49e-03	132	Known	(*107*)
28	M102LH	9	F7	1.16e-01	10258	Known	(*55, 88, 105-107*)
28	M102LH	46d	F7	9.04e-04	80	Known	(*73, 88, 102, 105*)
28	M102LH	46v	F7	1.48e-02	1312	Known	(*105-106*)
28	M102LH	9/46d	F7	2.51e-02	2226	Known	(*47, 73, 88, 102, 105-106*)
28	M102LH	9/46v	F7	3.83e-03	339	Known	(*88, 106*)
28	M102LH	8B	F7	1.03e-01	9106	Known	(*47, 73, 88, 102, 105-106*)
28	M102LH	8l	F7	3.19e-03	282	Known	(*44, 55, 73, 88, 105-106*)
28	M102LH	8m	F7	3.86e-02	3413	Known	(*44, 47, 55, 73, 88, 105-106*)

28	M102LH	8r	F7	2.30e-03	204	Known	(*105-106*)
28	M102LH	45B	F7	6.39e-03	566	Known	(*55, 88, 105-106*)
28	M102LH	45A	F7	3.47e-02	3073	Known	(*105-106*)
28	M102LH	44	F7	1.03e-02	913	Known	(*55, 88, 105-106*)
28	M102LH	OPRO	F7	1.21e-03	107	Known	(*88*)
28	M102LH	11	F7	2.71e-04	24	NFP	NA
28	M102LH	14	F7	2.26e-05	2	NFP	NA
28	M102LH	12	F7	1.24e-02	1100	Known	(*88, 105-106*)
28	M102LH	13	F7	2.67e-03	236	Known	(*88*)
29	M98LH	7op	ProM	5.07e-05	9	NFP	NA
29	M98LH	7A	ProM	1.69e-05	3	NFP	NA
29	M98LH	7B	ProM	1.06e-03	188	NFP	NA
29	M98LH	LIP	ProM	6.08e-04	108	NFP	NA
29	M98LH	AIP	ProM	4.34e-03	770	Known	(*108*)
29	M98LH	PGa	ProM	2.25e-05	4	NFP	NA
29	M98LH	PERI	ProM	1.25e-03	222	Known	(*25, 57*)
29	M98LH	TEav	ProM	3.83e-04	68	NFP	NA
29	M98LH	TEa/ma	ProM	1.15e-03	204	Known	(*38*)
29	M98LH	ENTO	ProM	2.25e-03	400	NFP	NA
29	M98LH	POLE	ProM	2.16e-03	383	Known	(*54*)
29	M98LH	MB	ProM	2.25e-05	4	NFP	NA
29	M98LH	INSULA	ProM	2.50e-02	4431	Known	(*35*)
29	M98LH	Gu	ProM	1.61e-01	28602	Known	(*35*)
29	M98LH	SII	ProM	2.47e-01	43906	Known	(*35*)
29	M98LH	1	ProM	2.25e-05	4	Known	(*35*)
29	M98LH	2	ProM	2.79e-02	4958	Known	(*35*)
29	M98LH	3	ProM	1.13e-04	20	Known	(*35*)
29	M98LH	24a	ProM	2.13e-03	378	NFP	NA
29	M98LH	24b	ProM	3.94e-05	7	Known	(*35*)
29	M98LH	24c	ProM	2.51e-03	446	Known	(*35*)
29	M98LH	24d	ProM	1.18e-04	21	Known	(*35*)
29	M98LH	F1	ProM	6.76e-05	12	NFP	NA
29	M98LH	F2	ProM	1.13e-05	2	Known	(*35*)
29	M98LH	F3	ProM	1.57e-03	278	Known	(*35*)
29	M98LH	F4	ProM	3.26e-03	578	Known	(*35*)
29	M98LH	F5	ProM	3.17e-01	56218	Known	(*35, 55*)
29	M98LH	9	ProM	2.25e-05	4	NFP	NA
29	M98LH	46d	ProM	1.13e-05	2	NFP	NA
29	M98LH	46v	ProM	3.15e-04	56	Known	(*35*)
29	M98LH	9/46v	ProM	2.01e-02	3569	Known	(*35, 44, 47*)
29	M98LH	44	ProM	1.13e-02	2008	Known	(*35*)
29	M98LH	OPRO	ProM	2.82e-02	5016	Known	(*35*)
29	M98LH	OPAI	ProM	4.07e-03	723	Known	(*48*)
29	M98LH	11	ProM	5.63e-05	10	NFP	NA
29	M98LH	12	ProM	1.33e-01	23657	Known	(*35, 44*)

29	M98LH	13	ProM	1.66e-03	294	Known	(*35, 38, 48*)
30	BB272RH	V1	8l	1.43e-04	14	NFP	NA
30	BB272RH	V2	8l	3.49e-03	342	Known	(*3, 33, 109*)
30	BB272RH	V3	8l	5.42e-03	531	Known	(*3, 26, 33, 87, 109*)
30	BB272RH	V3A	8l	4.29e-04	42	Known	(*3, 33, 87, 109*)
30	BB272RH	V4	8l	1.21e-02	1186	Known	(*3, 26, 33-34, 87, 109*)
30	BB272RH	V4t	8l	3.06e-04	30	Known	(*3, 26, 33, 87, 109*)
30	BB272RH	7op	8l	1.12e-04	11	Known	(*33*)
30	BB272RH	7A	8l	1.51e-03	148	Known	(*3, 33-34, 87*)
30	BB272RH	7B	8l	3.06e-05	3	Known	(*29, 33*)
30	BB272RH	LIP	8l	2.92e-02	2859	Known	(*3, 26, 33-34, 87, 109*)
30	BB272RH	VIP	8l	1.63e-03	160	Known	(*3, 33, 109*)
30	BB272RH	MIP	8l	8.17e-05	8	Known	(*109*)
30	BB272RH	PIP	8l	3.15e-03	308	Known	(*33, 109*)
30	BB272RH	AIP	8l	1.02e-04	10	Known	(*87*)
30	BB272RH	DP	8l	5.21e-04	51	Known	(*33*)
30	BB272RH	V6A	8l	2.15e-04	21	Known	(*3, 33*)
30	BB272RH	5	8l	6.13e-05	6	Known	(*34*)
30	BB272RH	7m	8l	1.02e-04	10	NFP	NA
30	BB272RH	STPr	8l	1.40e-03	137	Known	(*34, 87*)
30	BB272RH	STPi	8l	5.75e-03	563	Known	(*34, 39, 87, 109*)
30	BB272RH	STPc	8l	1.21e-02	1189	Known	(*3, 33, 39, 87, 109*)
30	BB272RH	TPt	8l	4.29e-04	42	Known	(*26, 33, 109*)
30	BB272RH	PGa	8l	4.89e-03	479	Known	(*26, 33-34, 87, 109*)
30	BB272RH	IPa	8l	2.02e-03	198	Known	(*26, 33-34, 87*)
30	BB272RH	FST	8l	3.31e-03	324	Known	(*3, 20, 26, 33-34, 87, 109*)
30	BB272RH	MST	8l	5.40e-03	529	Known	(*3, 33, 87, 109*)
30	BB272RH	MT	8l	2.03e-02	1986	Known	(*3, 26, 33, 87, 109*)
30	BB272RH	TEO	8l	1.47e-03	144	Known	(*3, 26, 33-34, 87, 109*)
30	BB272RH	TEOm	8l	2.63e-03	257	Known	(*26, 33, 87, 109*)
30	BB272RH	PERI	8l	1.33e-04	13	Known	(*57*)
30	BB272RH	TEad	8l	3.06e-05	3	Known	(*34, 87, 109*)
30	BB272RH	TEav	8l	1.33e-04	13	NFP	NA
30	BB272RH	TEpd	8l	1.43e-04	14	Known	(*33-34, 87, 109*)
30	BB272RH	TEpv	8l	1.28e-03	125	Known	(*26, 87, 109*)
30	BB272RH	TEa/ma	8l	1.33e-04	13	Known	(*26, 34, 38, 87*)
30	BB272RH	TEa/mp	8l	9.19e-05	9	Known	(*26, 33-34, 87*)
30	BB272RH	ENTO	8l	2.86e-04	28	NFP	NA
30	BB272RH	TH/TF	8l	1.27e-03	124	Known	(*33, 57, 109*)
30	BB272RH	SUB	8l	2.04e-05	2	NFP	NA
30	BB272RH	POLE	8l	5.01e-04	49	NFP	NA
30	BB272RH	CORE	8l	6.95e-04	68	NFP	NA
30	BB272RH	MB	8l	2.02e-03	198	NFP	NA
30	BB272RH	LB	8l	4.49e-04	44	Known	(*41*)
30	BB272RH	PBr	8l	9.81e-04	96	NFP	NA

30	BB272RH	PBc	8l	2.00e-03	196	NFP	NA
30	BB272RH	Parainsula	8l	3.27e-04	32	NFP	NA
30	BB272RH	INSULA	8l	9.21e-03	902	Known	(*109*)
30	BB272RH	Gu	8l	1.32e-03	129	NFP	NA
30	BB272RH	SII	8l	1.31e-03	128	NFP	NA
30	BB272RH	2	8l	2.35e-04	23	NFP	NA
30	BB272RH	3	8l	2.45e-04	24	NFP	NA
30	BB272RH	23	8l	7.56e-04	74	Known	(*33-34, 109*)
30	BB272RH	24a	8l	4.17e-03	408	Known	(*34, 87*)
30	BB272RH	24b	8l	2.32e-03	227	Known	(*87*)
30	BB272RH	24c	8l	2.42e-03	237	NFP	NA
30	BB272RH	24d	8l	1.05e-03	103	NFP	NA
30	BB272RH	29/30	8l	2.45e-04	24	NFP	NA
30	BB272RH	31	8l	7.15e-05	7	NFP	NA
30	BB272RH	32	8l	1.02e-04	10	NFP	NA
30	BB272RH	F1	8l	1.85e-03	181	Known	(*109*)
30	BB272RH	F2	8l	1.90e-02	1860	Known	(*34*)
30	BB272RH	F7	8l	2.61e-02	2552	Known	(*87, 109*)
30	BB272RH	F3	8l	2.25e-04	22	NFP	NA
30	BB272RH	F6	8l	2.33e-03	228	Known	(*34, 87*)
30	BB272RH	F4	8l	5.42e-03	531	Known	(*87*)
30	BB272RH	F5	8l	1.27e-02	1244	Known	(*55*)
30	BB272RH	ProM	8l	1.75e-03	171	Known	(*87*)
30	BB272RH	10	8l	5.31e-04	52	NFP	NA
30	BB272RH	9	8l	2.57e-03	252	Known	(*87*)
30	BB272RH	46d	8l	3.91e-02	3825	Known	(*34, 87, 109*)
30	BB272RH	46v	8l	1.11e-02	1090	Known	(*34, 87, 109*)
30	BB272RH	9/46d	8l	1.03e-02	1005	Known	(*44, 47, 109*)
30	BB272RH	9/46v	8l	2.49e-02	2439	Known	(*34, 44, 47, 87*)
30	BB272RH	8B	8l	2.06e-02	2018	Known	(*87, 109*)
30	BB272RH	8m	8l	4.15e-01	40660,5	Known	(*34, 44, 47, 87, 109*)
30	BB272RH	8r	8l	1.23e-01	12083	Known	(*34, 87, 109*)
30	BB272RH	45B	8l	6.82e-02	6673	Known	(*34, 109*)
30	BB272RH	45A	8l	1.25e-02	1220	Known	(*34, 87, 109*)
30	BB272RH	44	8l	1.93e-02	1886	Known	(*34, 87*)
30	BB272RH	OPRO	8l	4.41e-03	432	NFP	NA
30	BB272RH	OPAI	8l	5.82e-04	57	NFP	NA
30	BB272RH	11	8l	5.41e-04	53	NFP	NA
30	BB272RH	14	8l	6.13e-05	6	NFP	NA
30	BB272RH	25	8l	5.11e-05	5	NFP	NA
30	BB272RH	12	8l	2.12e-02	2078	Known	(*34, 87*)
30	BB272RH	13	8l	3.64e-03	356	NFP	NA
30	BB272RH	PIRI	8l	9.19e-05	9	NFP	NA
31	M116RH	V3	9/46v	1.17e-05	4	Known	(*87*)
31	M116RH	7op	9/46v	4.27e-04	146	Known	(*35*)

31	M116RH	7A	9/46v	2.23e-02	7614	Known	(*36, 87, 109-110*)
31	M116RH	7B	9/46v	1.95e-02	6664	Known	(*36-37, 87, 110-112*)
31	M116RH	LIP	9/46v	1.61e-02	5516	Known	(*24, 109-111*)
31	M116RH	VIP	9/46v	3.51e-05	12	NFP	NA
31	M116RH	AIP	9/46v	2.07e-03	706	Known	(*87, 110*)
31	M116RH	V6A	9/46v	8.19e-05	28	Known	(*110*)
31	M116RH	5	9/46v	7.02e-05	24	NFP	NA
31	M116RH	7m	9/46v	7.78e-04	266	Known	(*110*)
31	M116RH	STPr	9/46v	2.90e-04	99	Known	(*87, 109*)
31	M116RH	STPi	9/46v	7.37e-04	252	Known	(*87, 109*)
31	M116RH	STPc	9/46v	9.83e-04	336	Known	(*87, 109*)
31	M116RH	TPt	9/46v	2.19e-03	748	NFP	NA
31	M116RH	PGa	9/46v	5.33e-03	1823	Known	(*109*)
31	M116RH	IPa	9/46v	8.97e-03	3066	Known	(*87, 109-110*)
31	M116RH	FST	9/46v	2.34e-05	8	Known	(*110*)
31	M116RH	MST	9/46v	5.73e-04	196	NFP	NA
31	M116RH	TEOm	9/46v	2.34e-05	8	NFP	NA
31	M116RH	PERI	9/46v	2.19e-03	748	Known	(*66, 109*)
31	M116RH	TEad	9/46v	2.34e-04	80	NFP	NA
31	M116RH	TEav	9/46v	4.33e-04	148	Known	(*109*)
31	M116RH	TEpd	9/46v	1.05e-04	36	NFP	NA
31	M116RH	TEpv	9/46v	7.02e-04	240	Known	(*109*)
31	M116RH	TEa/ma	9/46v	1.14e-02	3884	Known	(*38, 87, 109*)
31	M116RH	TEa/mp	9/46v	2.03e-02	6954	Known	(*109*)
31	M116RH	ENTO	9/46v	2.34e-05	8	NFP	NA
31	M116RH	TH/TF	9/46v	6.14e-05	21	Known	(*57*)
31	M116RH	POLE	9/46v	7.26e-04	248	Known	(*54, 66*)
31	M116RH	MB	9/46v	3.51e-05	12	NFP	NA
31	M116RH	PBr	9/46v	1.17e-05	4	NFP	NA
31	M116RH	PBc	9/46v	2.05e-05	7	NFP	NA
31	M116RH	Parainsula	9/46v	2.34e-05	8	NFP	NA
31	M116RH	INSULA	9/46v	1.01e-02	3445	Known	(*87, 110-112*)
31	M116RH	Gu	9/46v	1.52e-04	52	NFP	NA
31	M116RH	SII	9/46v	2.26e-02	7711	Known	(*109-112*)
31	M116RH	2	9/46v	1.81e-03	618	Known	(*110-111*)
31	M116RH	3	9/46v	3.51e-05	12	NFP	NA
31	M116RH	23	9/46v	1.18e-02	4041	Known	(*109-110*)
31	M116RH	24a	9/46v	1.63e-02	5584	Known	(*87, 109-111*)
31	M116RH	24b	9/46v	2.77e-03	948	Known	(*87, 109-110*)
31	M116RH	24c	9/46v	6.88e-03	2352	Known	(*87, 110-111*)
31	M116RH	24d	9/46v	1.14e-03	388	NFP	NA
31	M116RH	29/30	9/46v	6.85e-03	2342	NFP	NA
31	M116RH	31	9/46v	3.51e-05	12	NFP	NA
31	M116RH	32	9/46v	9.07e-05	31	NFP	NA
31	M116RH	F1	9/46v	5.85e-05	20	NFP	NA

31	M116RH	F2	9/46v	5.17e-03	1768	Known	(*87, 110*)
31	M116RH	F7	9/46v	8.75e-03	2992	Known	(*109-110*)
31	M116RH	F3	9/46v	1.24e-03	423	Known	(*87, 111*)
31	M116RH	F6	9/46v	9.18e-03	3136	Known	(*87, 110*)
31	M116RH	F4	9/46v	1.47e-02	5016	Known	(*87*)
31	M116RH	F5	9/46v	1.80e-02	6168	Known	(*55, 87, 109-111*)
31	M116RH	ProM	9/46v	9.21e-03	3148	Known	(*35, 87, 110-112*)
31	M116RH	10	9/46v	2.40e-04	82	NFP	NA
31	M116RH	9	9/46v	5.47e-04	187	NFP	NA
31	M116RH	46d	9/46v	3.85e-02	13150	Known	(*87, 109-110*)
31	M116RH	46v	9/46v	3.01e-01	102710	Known	(*87, 109-111*)
31	M116RH	9/46d	9/46v	1.46e-02	4994	Known	(*47, 87, 110-111*)
31	M116RH	8B	9/46v	1.65e-02	5628	Known	(*109*)
31	M116RH	8l	9/46v	3.08e-03	1052	Known	(*44, 47, 109-110*)
31	M116RH	8m	9/46v	3.47e-02	11844	Known	(*44, 47, 109-110*)
31	M116RH	8r	9/46v	1.93e-03	660	Known	(*87, 109-110*)
31	M116RH	45B	9/46v	7.63e-03	2608	Known	(*109-111*)
31	M116RH	45A	9/46v	5.70e-02	19496	Known	(*109-111*)
31	M116RH	44	9/46v	8.16e-02	27884	Known	(*87, 109-112*)
31	M116RH	OPRO	9/46v	6.66e-03	2276	Known	(*110, 112*)
31	M116RH	OPAI	9/46v	2.93e-04	100	Known	(*110*)
31	M116RH	11	9/46v	6.02e-02	20564	Known	(*48, 110-111*)
31	M116RH	14	9/46v	4.68e-04	160	Known	(*48*)
31	M116RH	12	9/46v	9.71e-02	33186	Known	(*44, 87, 109-111*)
31	M116RH	13	9/46v	1.48e-02	5064	Known	(*110-111*)
32	M116RH	V2	46d	2.24e-03	540	NFP	NA
32	M116RH	V3	46d	1.16e-04	28	NFP	NA
32	M116RH	7op	46d	1.66e-05	4	NFP	NA
32	M116RH	7A	46d	5.15e-04	124	Known	(*36-37, 113*)
32	M116RH	LIP	46d	3.32e-05	8	Known	(*113*)
32	M116RH	VIP	46d	1.66e-05	4	NFP	NA
32	M116RH	MIP	46d	1.66e-05	4	NFP	NA
32	M116RH	DP	46d	2.57e-04	62	NFP	NA
32	M116RH	V6A	46d	7.47e-05	18	NFP	NA
32	M116RH	7m	46d	7.47e-04	180	Known	(*113*)
32	M116RH	STPr	46d	6.14e-04	148	Known	(*38*)
32	M116RH	STPi	46d	1.32e-02	3179	Known	(*39*)
32	M116RH	STPc	46d	4.44e-03	1070	Known	(*39, 113*)
32	M116RH	PGa	46d	2.97e-03	716	NFP	NA
32	M116RH	MST	46d	1.66e-05	4	NFP	NA
32	M116RH	MT	46d	1.66e-05	4	NFP	NA
32	M116RH	TEO	46d	1.66e-05	4	NFP	NA
32	M116RH	TEOm	46d	1.66e-05	4	NFP	NA
32	M116RH	PERI	46d	3.32e-05	8	NFP	NA
32	M116RH	TEpd	46d	6.64e-05	16	NFP	NA

32	M116RH	TEpv	46d	3.74e-05	9	NFP	NA
32	M116RH	ENTO	46d	1.66e-05	4	NFP	NA
32	M116RH	TH/TF	46d	8.30e-05	20	Known	(*25, 57*)
32	M116RH	POLE	46d	1.66e-05	4	NFP	NA
32	M116RH	PBr	46d	4.65e-04	112	NFP	NA
32	M116RH	PBc	46d	1.83e-04	44	Known	(*36*)
32	M116RH	Parainsula	46d	3.32e-05	8	NFP	NA
32	M116RH	INSULA	46d	1.66e-05	4	NFP	NA
32	M116RH	2	46d	1.66e-05	4	NFP	NA
32	M116RH	3	46d	2.91e-05	7	NFP	NA
32	M116RH	23	46d	1.38e-02	3321	Known	(*42, 45, 113*)
32	M116RH	24a	46d	1.83e-04	44	NFP	NA
32	M116RH	24b	46d	3.32e-05	8	NFP	NA
32	M116RH	24c	46d	3.04e-03	732	NFP	NA
32	M116RH	24d	46d	1.66e-05	4	NFP	NA
32	M116RH	29/30	46d	2.47e-03	595	Known	(*42-43*)
32	M116RH	31	46d	1.01e-03	244	Known	(*113*)
32	M116RH	32	46d	1.59e-03	384	Known	(*44*)
32	M116RH	F1	46d	6.64e-05	16	NFP	NA
32	M116RH	F2	46d	1.33e-04	32	NFP	NA
32	M116RH	F7	46d	7.37e-03	1776	Known	(*113*)
32	M116RH	F3	46d	1.66e-05	4	NFP	NA
32	M116RH	F6	46d	3.32e-03	800	NFP	NA
32	M116RH	F4	46d	3.32e-05	8	NFP	NA
32	M116RH	F5	46d	4.98e-05	12	NFP	NA
32	M116RH	10	46d	7.51e-02	18094	Known	(*44, 113*)
32	M116RH	9	46d	1.17e-01	28219	Known	(*113*)
32	M116RH	46v	46d	5.84e-02	14071	Known	(*113*)
32	M116RH	9/46d	46d	6.04e-01	145390	Known	(*47, 113*)
32	M116RH	9/46v	46d	1.16e-04	28	Known	(*44, 47*)
32	M116RH	8B	46d	3.92e-02	9436	Known	(*113*)
32	M116RH	8l	46d	6.64e-05	16	Known	(*113*)
32	M116RH	8m	46d	3.16e-02	7612	Known	(*44, 47, 113*)
32	M116RH	8r	46d	4.24e-03	1020	Known	(*113*)
32	M116RH	45A	46d	1.44e-03	348	Known	(*113*)
32	M116RH	44	46d	8.30e-05	20	NFP	NA
32	M116RH	OPRO	46d	4.82e-04	116	NFP	NA
32	M116RH	11	46d	2.63e-03	634	NFP	NA
32	M116RH	14	46d	2.23e-03	536	Known	(*48*)
32	M116RH	12	46d	3.54e-03	853	Known	(*44*)
32	M116RH	13	46d	5.65e-04	136	Known	(*48*)
33	M128LH	V4	8B	7.73e-06	2	NFP	NA
33	M128LH	7A	8B	8.88e-04	230	Known	(*34, 37*)
33	M128LH	LIP	8B	5.72e-04	148	Known	(*34*)
33	M128LH	DP	8B	1.04e-04	27	NFP	NA

33	M128LH	7m	8B	2.65e-03	686	Known	(*34*)
33	M128LH	STPr	8B	1.91e-02	4952	Known	(*34, 38*)
33	M128LH	STPi	8B	1.44e-02	3720	Known	(*34, 39*)
33	M128LH	STPc	8B	5.41e-05	14	NFP	NA
33	M128LH	PGa	8B	3.97e-03	1027	NFP	NA
33	M128LH	IPa	8B	7.11e-04	184	NFP	NA
33	M128LH	FST	8B	2.20e-04	57	NFP	NA
33	M128LH	PERI	8B	3.48e-05	9	NFP	NA
33	M128LH	TEad	8B	1.55e-05	4	NFP	NA
33	M128LH	TEa/ma	8B	9.27e-05	24	NFP	NA
33	M128LH	TEa/mp	8B	3.09e-05	8	NFP	NA
33	M128LH	ENTO	8B	1.55e-04	40	NFP	NA
33	M128LH	TH/TF	8B	2.97e-04	77	Known	(*34, 57*)
33	M128LH	POLE	8B	8.99e-03	2328	NFP	NA
33	M128LH	CORE	8B	1.55e-05	4	NFP	NA
33	M128LH	MB	8B	3.86e-05	10	NFP	NA
33	M128LH	LB	8B	2.70e-05	7	Known	(*41*)
33	M128LH	PBr	8B	3.52e-04	91	NFP	NA
33	M128LH	Parainsula	8B	6.18e-05	16	NFP	NA
33	M128LH	INSULA	8B	1.00e-04	26	NFP	NA
33	M128LH	SII	8B	7.73e-06	2	NFP	NA
33	M128LH	23	8B	6.53e-03	1691	Known	(*34, 42, 45*)
33	M128LH	24a	8B	2.54e-03	657	Known	(*34*)
33	M128LH	24b	8B	8.14e-03	2107	NFP	NA
33	M128LH	24c	8B	9.37e-02	24248	NFP	NA
33	M128LH	24d	8B	1.39e-04	36	NFP	NA
33	M128LH	29/30	8B	5.37e-04	139	Known	(*34, 42*)
33	M128LH	31	8B	7.07e-04	183	Known	(*34*)
33	M128LH	32	8B	3.40e-02	8796	Known	(*34, 45*)
33	M128LH	F1	8B	7.73e-06	2	NFP	NA
33	M128LH	F2	8B	8.50e-05	22	Known	(*34, 55*)
33	M128LH	F7	8B	1.51e-01	39132	Known	(*34*)
33	M128LH	F6	8B	6.55e-02	16946	Known	(*34*)
33	M128LH	F4	8B	3.09e-05	8	NFP	NA
33	M128LH	F5	8B	7.73e-06	2	NFP	NA
33	M128LH	10	8B	1.32e-01	34149	Known	(*34*)
33	M128LH	9	8B	1.76e-01	45672	Known	(*34*)
33	M128LH	46d	8B	3.99e-02	10340	Known	(*34*)
33	M128LH	46v	8B	3.92e-02	10136	Known	(*34*)
33	M128LH	9/46d	8B	8.70e-02	22512	Known	(*34, 47*)
33	M128LH	9/46v	8B	1.47e-04	38	NFP	NA
33	M128LH	8l	8B	9.35e-04	242	Known	(*44, 47*)
33	M128LH	8m	8B	4.91e-02	12704	Known	(*34, 44, 47*)
33	M128LH	8r	8B	5.83e-04	151	Known	(*34*)
33	M128LH	45B	8B	4.79e-04	124	Known	(*34*)

33	M128LH	45A	8B	2.78e-04	72	Known	(*34*)
33	M128LH	44	8B	5.41e-05	14	NFP	NA
33	M128LH	OPRO	8B	5.41e-03	1400	NFP	NA
33	M128LH	OPAI	8B	2.63e-04	68	NFP	NA
33	M128LH	11	8B	1.27e-02	3288	NFP	NA
33	M128LH	14	8B	5.54e-03	1435	Known	(*34*)
33	M128LH	25	8B	1.55e-04	40	NFP	NA
33	M128LH	12	8B	2.24e-02	5808	Known	(*34*)
33	M128LH	13	8B	1.12e-02	2908	Known	(*34*)
33	M128LH	PIRI	8B	4.02e-04	104	NFP	NA
34	M131LH	V2	10	1.02e-05	2	Known	(*114-115*)
34	M131LH	Pro.St.	10	1.12e-04	22	Known	(*114-115*)
34	M131LH	7op	10	4.08e-05	8	NFP	NA
34	M131LH	7A	10	6.53e-04	128	NFP	NA
34	M131LH	LIP	10	1.02e-05	2	NFP	NA
34	M131LH	MIP	10	1.02e-05	2	NFP	NA
34	M131LH	PIP	10	8.17e-05	16	NFP	NA
34	M131LH	DP	10	4.39e-04	86	NFP	NA
34	M131LH	STPr	10	2.98e-02	5828	Known	(*38, 115*)
34	M131LH	STPi	10	4.14e-02	8100	Known	(*38, 114-115*)
34	M131LH	STPc	10	9.03e-03	1768	Known	(*38, 115*)
34	M131LH	PGa	10	1.99e-03	389	NFP	NA
34	M131LH	IPa	10	1.63e-04	32	NFP	NA
34	M131LH	FST	10	1.63e-04	32	NFP	NA
34	M131LH	PERI	10	1.12e-04	22	Known	(*57, 114-115*)
34	M131LH	TEav	10	4.08e-05	8	Known	(*114*)
34	M131LH	TEpd	10	1.02e-05	2	NFP	NA
34	M131LH	TEpv	10	1.02e-05	2	NFP	NA
34	M131LH	TEa/ma	10	2.55e-05	5	Known	(*114-115*)
34	M131LH	TEa/mp	10	5.10e-06	1	NFP	NA
34	M131LH	ENTO	10	4.59e-04	90	Known	(*114-115*)
34	M131LH	TH/TF	10	9.55e-04	187	Known	(*25, 38, 57, 114-115*)
34	M131LH	SUB	10	3.06e-05	6	NFP	NA
34	M131LH	POLE	10	3.62e-02	7094	Known	(*38, 54, 114-116*)
34	M131LH	CORE	10	3.47e-04	68	Known	(*115*)
34	M131LH	MB	10	1.61e-03	315	Known	(*115*)
34	M131LH	LB	10	1.17e-03	229	Known	(*41, 115-116*)
34	M131LH	PBr	10	2.93e-02	5736	Known	(*38, 115-116*)
34	M131LH	PBc	10	9.41e-03	1844	Known	(*36, 38, 115-116*)
34	M131LH	Parainsula	10	9.04e-04	177	Known	(*115*)
34	M131LH	INSULA	10	4.19e-04	82	Known	(*114-115*)
34	M131LH	23	10	5.51e-03	1080	Known	(*42, 114-115*)
34	M131LH	24a	10	1.63e-04	32	Known	(*114-115*)
34	M131LH	24b	10	8.58e-04	168	Known	(*48, 114-115*)
34	M131LH	24c	10	1.62e-03	317	Known	(*48, 114-115*)

34	M131LH	24d	10	4.90e-04	96	NFP	NA
34	M131LH	29/30	10	1.20e-03	236	Known	(*42, 114-115*)
34	M131LH	31	10	5.51e-04	108	Known	(*64, 114*)
34	M131LH	32	10	1.35e-02	2638	Known	(*46, 48, 114-115, 117*)
34	M131LH	F2	10	1.28e-04	25	NFP	NA
34	M131LH	F7	10	1.20e-03	236	NFP	NA
34	M131LH	F6	10	1.02e-05	2	NFP	NA
34	M131LH	F4	10	1.53e-05	3	NFP	NA
34	M131LH	9	10	1.10e-01	21478	Known	(*46, 48, 114-115*)
34	M131LH	46d	10	2.21e-01	43373	Known	(*48, 114-115*)
34	M131LH	46v	10	1.55e-01	30350	Known	(*48, 114-115*)
34	M131LH	9/46d	10	1.28e-04	25	Known	(*48, 114-115*)
34	M131LH	8B	10	8.50e-03	1665	Known	(*114-115*)
34	M131LH	8l	10	1.57e-03	308	Known	(*114-115*)
34	M131LH	8m	10	1.51e-02	2960	Known	(*47, 114-115*)
34	M131LH	8r	10	8.17e-05	16	NFP	NA
34	M131LH	45B	10	1.17e-03	230	Known	(*115*)
34	M131LH	45A	10	3.52e-03	690	Known	(*48, 115*)
34	M131LH	44	10	1.02e-05	2	Known	(*115*)
34	M131LH	OPRO	10	1.47e-02	2880	Known	(*46, 48, 114*)
34	M131LH	OPAI	10	8.17e-05	16	Known	(*46, 48*)
34	M131LH	11	10	1.36e-02	2671	Known	(*46, 48, 114-115*)
34	M131LH	14	10	1.45e-01	28468	Known	(*46, 48, 114-115*)
34	M131LH	25	10	2.38e-02	4660	Known	(*46, 48, 114-115*)
34	M131LH	12	10	6.63e-02	12983	Known	(*44, 46, 48, 114-115*)
34	M131LH	13	10	3.01e-02	5888	Known	(*46, 48, 114-115*)
35	M133LH	V1	MT	1.90e-02	12757	Known	(*3, 13-14, 74*)
35	M133LH	V2	MT	1.19e-01	80233	Known	(*3-4, 13-14, 74, 118*)
35	M133LH	V3	MT	5.10e-02	34282	Known	(*9, 13, 74*)
35	M133LH	V3A	MT	3.35e-02	22510	Known	(*3, 74*)
35	M133LH	V4	MT	3.81e-01	255836	Known	(*3, 11, 13, 74*)
35	M133LH	V4t	MT	7.71e-02	51790	Known	(*3, 74*)
35	M133LH	Pro.St.	MT	8.93e-06	6	NFP	NA
35	M133LH	7A	MT	4.53e-04	304	Known	(*17, 76*)
35	M133LH	LIP	MT	2.29e-02	15358	Known	(*3, 17, 24, 74*)
35	M133LH	VIP	MT	1.49e-03	1004	Known	(*3, 13, 17, 74*)
35	M133LH	MIP	MT	1.19e-05	8	Known	(*74*)
35	M133LH	PIP	MT	9.32e-03	6261	Known	(*3, 74*)
35	M133LH	DP	MT	1.46e-02	9836	Known	(*74*)
35	M133LH	V6A	MT	2.98e-06	2	Known	(*3*)
35	M133LH	STPr	MT	2.43e-04	163	NFP	NA
35	M133LH	STPi	MT	2.17e-04	146	NFP	NA
35	M133LH	STPc	MT	1.78e-03	1196	Known	(*74*)
35	M133LH	TPt	MT	2.68e-05	18	NFP	NA
35	M133LH	PGa	MT	6.07e-03	4074	NFP	NA

35	M133LH	IPa	MT	1.33e-03	895	Known	(*74*)
35	M133LH	FST	MT	6.19e-02	41544	Known	(*3, 20, 74*)
35	M133LH	MST	MT	5.74e-03	3857	Known	(*3, 13, 20, 74*)
35	M133LH	TEO	MT	3.82e-02	25656	Known	(*21*)
35	M133LH	TEOm	MT	8.84e-02	59404	Known	(*19*)
35	M133LH	PERI	MT	8.87e-04	596	NFP	NA
35	M133LH	TEad	MT	1.06e-03	712	NFP	NA
35	M133LH	TEav	MT	1.16e-03	778	NFP	NA
35	M133LH	TEpd	MT	1.36e-02	9102	NFP	NA
35	M133LH	TEpv	MT	1.89e-02	12698	NFP	NA
35	M133LH	TEa/ma	MT	2.27e-03	1522	NFP	NA
35	M133LH	TEa/mp	MT	1.51e-02	10112	Known	(*79*)
35	M133LH	TH/TF	MT	9.41e-03	6322	NFP	NA
35	M133LH	SUB	MT	2.98e-06	2	NFP	NA
35	M133LH	POLE	MT	2.38e-05	16	NFP	NA
35	M133LH	MB	MT	8.04e-05	54	NFP	NA
35	M133LH	LB	MT	2.98e-06	2	NFP	NA
35	M133LH	PBr	MT	1.79e-05	12	NFP	NA
35	M133LH	INSULA	MT	4.47e-05	30	NFP	NA
35	M133LH	SII	MT	2.98e-06	2	NFP	NA
35	M133LH	1	MT	2.98e-06	2	NFP	NA
35	M133LH	2	MT	2.38e-05	16	NFP	NA
35	M133LH	23	MT	1.13e-04	76	NFP	NA
35	M133LH	24a	MT	1.04e-05	7	NFP	NA
35	M133LH	24b	MT	4.47e-06	3	NFP	NA
35	M133LH	29/30	MT	1.79e-05	12	NFP	NA
35	M133LH	32	MT	2.98e-06	2	NFP	NA
35	M133LH	F1	MT	2.98e-06	2	NFP	NA
35	M133LH	F2	MT	5.96e-06	4	NFP	NA
35	M133LH	F4	MT	2.08e-05	14	NFP	NA
35	M133LH	F5	MT	2.98e-06	2	NFP	NA
35	M133LH	ProM	MT	2.98e-06	2	NFP	NA
35	M133LH	9/46d	MT	5.96e-06	4	NFP	NA
35	M133LH	9/46v	MT	3.87e-05	26	NFP	NA
35	M133LH	8l	MT	2.28e-03	1528	Known	(*22, 47*)
35	M133LH	8m	MT	6.28e-04	422	Known	(*47*)
35	M133LH	8r	MT	8.04e-05	54	NFP	NA
35	M133LH	45B	MT	5.00e-04	336	NFP	NA
35	M133LH	45A	MT	2.98e-06	2	NFP	NA
35	M133LH	OPRO	MT	2.98e-06	2	NFP	NA
36	M136LH	V1	7m	2.68e-05	9	NFP	NA
36	M136LH	V2	7m	1.45e-03	487	Known	(*64*)
36	M136LH	V3	7m	1.79e-05	6	Known	(*18*)
36	M136LH	V3A	7m	1.73e-04	58	NFP	NA
36	M136LH	V4	7m	3.66e-04	123	NFP	NA

36	M136LH	Pro.St.	7m	1.61e-04	54	NFP	NA
36	M136LH	7op	7m	5.42e-04	182	Known	(*35, 64, 119*)
36	M136LH	7A	7m	7.85e-02	26357	Known	(*18, 62, 64, 119*)
36	M136LH	7B	7m	5.96e-06	2	Known	(*119*)
36	M136LH	LIP	7m	3.11e-02	10434	Known	(*18, 119*)
36	M136LH	VIP	7m	8.38e-03	2815	Known	(*18, 64, 119*)
36	M136LH	MIP	7m	2.74e-02	9189	Known	(*119*)
36	M136LH	PIP	7m	4.77e-03	1601	Known	(*18*)
36	M136LH	AIP	7m	3.13e-04	105	NFP	NA
36	M136LH	DP	7m	1.34e-02	4510	Known	(*18*)
36	M136LH	V6	7m	2.32e-03	780	Known	(*18, 64*)
36	M136LH	V6A	7m	4.34e-01	145681	Known	(*18, 64, 119*)
36	M136LH	5	7m	7.11e-03	2388	Known	(*18, 62, 64, 119*)
36	M136LH	STPr	7m	5.96e-05	20	Known	(*65*)
36	M136LH	STPi	7m	8.93e-05	30	Known	(*18, 65, 119*)
36	M136LH	STPc	7m	1.17e-02	3921	Known	(*18-19, 64-65, 119*)
36	M136LH	TPt	7m	3.70e-03	1242	Known	(*119*)
36	M136LH	PGa	7m	6.25e-04	210	NFP	NA
36	M136LH	IPa	7m	1.37e-04	46	NFP	NA
36	M136LH	FST	7m	5.36e-05	18	NFP	NA
36	M136LH	MST	7m	7.99e-02	26839	Known	(*18, 64, 119*)
36	M136LH	MT	7m	9.14e-04	307	Known	(*18, 119*)
36	M136LH	PERI	7m	1.79e-04	60	Known	(*119*)
36	M136LH	TEpd	7m	5.96e-06	2	NFP	NA
36	M136LH	TEpv	7m	5.81e-04	195	NFP	NA
36	M136LH	TEa/mp	7m	1.79e-05	6	NFP	NA
36	M136LH	ENTO	7m	4.17e-05	14	Known	(*119*)
36	M136LH	TH/TF	7m	5.84e-04	196	Known	(*18*)
36	M136LH	MB	7m	3.10e-04	104	Known	(*119*)
36	M136LH	LB	7m	3.33e-04	112	NFP	NA
36	M136LH	PBr	7m	5.96e-06	2	NFP	NA
36	M136LH	PBc	7m	9.71e-04	326	NFP	NA
36	M136LH	INSULA	7m	1.55e-04	52	Known	(*18, 119*)
36	M136LH	1	7m	1.55e-04	52	Known	(*119*)
36	M136LH	2	7m	1.19e-05	4	Known	(*64, 119*)
36	M136LH	3	7m	2.98e-05	10	Known	(*119*)
36	M136LH	23	7m	9.12e-02	30620	Known	(*18, 64, 119*)
36	M136LH	24a	7m	1.10e-03	368	Known	(*119*)
36	M136LH	24b	7m	1.01e-02	3407	Known	(*119*)
36	M136LH	24c	7m	1.65e-03	554	Known	(*64, 67, 119*)
36	M136LH	24d	7m	9.13e-03	3067	Known	(*119*)
36	M136LH	29/30	7m	5.65e-03	1899	Known	(*18, 43, 119*)
36	M136LH	31	7m	2.68e-02	8990	Known	(*18, 64, 119*)
36	M136LH	32	7m	3.57e-05	12	Known	(*67, 119*)
36	M136LH	F1	7m	3.07e-04	103	Known	(*64, 119*)

36	M136LH	F2	7m	3.17e-02	10644	Known	(*67, 119*)
36	M136LH	F7	7m	1.34e-02	4505	Known	(*67, 119*)
36	M136LH	F3	7m	1.67e-03	562	Known	(*67, 119*)
36	M136LH	F6	7m	1.90e-03	638	Known	(*67*)
36	M136LH	F5	7m	2.98e-05	10	Known	(*67, 119*)
36	M136LH	9	7m	4.82e-04	162	Known	(*43, 67*)
36	M136LH	46d	7m	4.29e-03	1442	Known	(*64, 67, 119*)
36	M136LH	46v	7m	5.78e-03	1941	Known	(*67*)
36	M136LH	9/46d	7m	2.16e-02	7248	Known	(*47, 64, 67, 119*)
36	M136LH	9/46v	7m	1.24e-03	416	Known	(*67*)
36	M136LH	8B	7m	3.84e-02	12896	Known	(*47, 67, 119*)
36	M136LH	8l	7m	5.78e-04	194	NFP	NA
36	M136LH	8m	7m	1.86e-02	6238	Known	(*22, 47, 64, 67, 119*)
36	M136LH	8r	7m	3.68e-03	1236	Known	(*64, 67, 119*)
36	M136LH	45B	7m	1.13e-04	38	Known	(*119*)
36	M136LH	44	7m	1.67e-04	56	NFP	NA
36	M136LH	11	7m	2.98e-05	10	NFP	NA
36	M136LH	14	7m	2.08e-05	7	NFP	NA
36	M136LH	25	7m	2.38e-05	8	NFP	NA
36	M136LH	12	7m	4.17e-05	14	NFP	NA
36	M136LH	13	7m	2.38e-05	8	NFP	NA
37	M136LH	V2	10	1.87e-05	6	Known	(*114-115*)
37	M136LH	Pro.St.	10	6.32e-03	2026	Known	(*114-115*)
37	M136LH	7A	10	3.12e-06	1	NFP	NA
37	M136LH	DP	10	3.12e-06	1	NFP	NA
37	M136LH	STPr	10	3.79e-02	12168	Known	(*38, 115*)
37	M136LH	STPi	10	1.01e-02	3234	Known	(*38, 114-115*)
37	M136LH	STPc	10	7.39e-03	2372	Known	(*38, 115*)
37	M136LH	PGa	10	2.67e-03	858	NFP	NA
37	M136LH	IPa	10	2.81e-04	90	NFP	NA
37	M136LH	FST	10	4.99e-05	16	NFP	NA
37	M136LH	PERI	10	9.29e-04	298	Known	(*57, 114-115*)
37	M136LH	TEad	10	2.49e-05	8	NFP	NA
37	M136LH	TEav	10	1.12e-04	36	Known	(*114*)
37	M136LH	TEpd	10	1.25e-05	4	NFP	NA
37	M136LH	TEpv	10	6.23e-06	2	NFP	NA
37	M136LH	TEa/ma	10	3.05e-04	98	Known	(*114-115*)
37	M136LH	ENTO	10	2.52e-04	81	Known	(*114-115*)
37	M136LH	TH/TF	10	1.37e-03	441	Known	(*25, 38, 57, 114-115*)
37	M136LH	SUB	10	5.92e-05	19	NFP	NA
37	M136LH	POLE	10	1.72e-02	5526	Known	(*38, 54, 114-116*)
37	M136LH	CORE	10	7.98e-04	256	Known	(*115*)
37	M136LH	MB	10	6.42e-04	206	Known	(*115*)
37	M136LH	LB	10	2.07e-03	665	Known	(*41, 115-116*)
37	M136LH	PBr	10	1.97e-02	6334	Known	(*38, 115-116*)

37	M136LH	PBc	10	5.33e-04	171	Known	(*36, 38, 115-116*)
37	M136LH	Parainsula	10	1.68e-04	54	Known	(*115*)
37	M136LH	INSULA	10	1.93e-04	62	Known	(*114-115*)
37	M136LH	23	10	1.92e-02	6158	Known	(*42, 114-115*)
37	M136LH	24a	10	1.54e-03	494	Known	(*114-115*)
37	M136LH	24b	10	4.68e-04	150	Known	(*48, 114-115*)
37	M136LH	24c	10	2.09e-03	670	Known	(*48, 114-115*)
37	M136LH	24d	10	2.49e-05	8	NFP	NA
37	M136LH	29/30	10	1.10e-03	353	Known	(*42, 114-115*)
37	M136LH	31	10	2.43e-03	778	Known	(*64, 114*)
37	M136LH	32	10	5.22e-02	16745	Known	(*46, 48, 114-115, 117*)
37	M136LH	F1	10	6.23e-06	2	NFP	NA
37	M136LH	F2	10	5.61e-05	18	NFP	NA
37	M136LH	F7	10	6.55e-04	210	NFP	NA
37	M136LH	F6	10	2.49e-05	8	NFP	NA
37	M136LH	F4	10	6.23e-06	2	NFP	NA
37	M136LH	F5	10	3.12e-05	10	Known	(*48, 114*)
37	M136LH	9	10	9.98e-02	32009	Known	(*46, 48, 114-115*)
37	M136LH	46d	10	1.15e-01	36892	Known	(*48, 114-115*)
37	M136LH	46v	10	8.05e-02	25822	Known	(*48, 114-115*)
37	M136LH	9/46d	10	8.60e-03	2758	Known	(*48, 114-115*)
37	M136LH	9/46v	10	2.49e-05	8	Known	(*114-115*)
37	M136LH	8B	10	1.53e-02	4912	Known	(*114-115*)
37	M136LH	8l	10	7.48e-05	24	Known	(*114-115*)
37	M136LH	8m	10	1.84e-03	590	Known	(*47, 114-115*)
37	M136LH	8r	10	3.12e-05	10	NFP	NA
37	M136LH	45B	10	1.31e-04	42	Known	(*115*)
37	M136LH	45A	10	6.23e-05	20	Known	(*48, 115*)
37	M136LH	44	10	2.49e-05	8	Known	(*115*)
37	M136LH	OPRO	10	5.52e-02	17696	Known	(*46, 48, 114*)
37	M136LH	OPAI	10	1.30e-03	418	Known	(*46, 48*)
37	M136LH	11	10	9.10e-02	29178	Known	(*46, 48, 114-115*)
37	M136LH	14	10	2.28e-01	73291	Known	(*46, 48, 114-115*)
37	M136LH	25	10	2.03e-02	6525	Known	(*46, 48, 114-115*)
37	M136LH	12	10	6.07e-02	19483	Known	(*44, 46, 48, 114-115*)
37	M136LH	13	10	3.27e-02	10484	Known	(*46, 48, 114-115*)
38	M137LH	Pro.St.	10	3.47e-04	94	Known	(*114-115*)
38	M137LH	7A	10	1.48e-05	4	NFP	NA
38	M137LH	LIP	10	7.39e-06	2	NFP	NA
38	M137LH	DP	10	7.39e-06	2	NFP	NA
38	M137LH	STPr	10	2.41e-02	6514	Known	(*38, 115*)
38	M137LH	STPi	10	1.77e-02	4792	Known	(*38, 114-115*)
38	M137LH	STPc	10	1.54e-03	416	Known	(*38, 115*)
38	M137LH	PGa	10	1.95e-03	528	NFP	NA
38	M137LH	IPa	10	2.29e-04	62	NFP	NA

38	M137LH	FST	10	2.22e-05	6	NFP	NA
38	M137LH	PERI	10	2.22e-04	60	Known	(*57, 114-115*)
38	M137LH	TEav	10	1.48e-05	4	Known	(*114*)
38	M137LH	TEpv	10	1.48e-05	4	NFP	NA
38	M137LH	TEa/ma	10	7.39e-06	2	Known	(*114-115*)
38	M137LH	ENTO	10	3.70e-05	10	Known	(*114-115*)
38	M137LH	TH/TF	10	2.14e-03	580	Known	(*25, 38, 57, 114-115*)
38	M137LH	SUB	10	4.43e-05	12	NFP	NA
38	M137LH	POLE	10	3.10e-02	8384	Known	(*38, 54, 114-116*)
38	M137LH	CORE	10	2.44e-04	66	Known	(*115*)
38	M137LH	MB	10	1.10e-03	297	Known	(*115*)
38	M137LH	LB	10	5.47e-04	148	Known	(*41, 115-116*)
38	M137LH	PBr	10	4.31e-02	11675	Known	(*38, 115-116*)
38	M137LH	PBc	10	6.36e-04	172	Known	(*36, 38, 115-116*)
38	M137LH	Parainsula	10	3.62e-04	98	Known	(*115*)
38	M137LH	INSULA	10	1.29e-04	35	Known	(*114-115*)
38	M137LH	23	10	3.38e-03	914	Known	(*42, 114-115*)
38	M137LH	24a	10	5.17e-04	140	Known	(*114-115*)
38	M137LH	24b	10	1.41e-03	382	Known	(*48, 114-115*)
38	M137LH	24c	10	5.19e-03	1404	Known	(*48, 114-115*)
38	M137LH	24d	10	1.11e-05	3	NFP	NA
38	M137LH	29/30	10	1.37e-03	372	Known	(*42, 114-115*)
38	M137LH	31	10	1.48e-05	4	Known	(*64, 114*)
38	M137LH	32	10	2.12e-02	5724	Known	(*46, 48, 114-115, 117*)
38	M137LH	F2	10	1.48e-05	4	NFP	NA
38	M137LH	F7	10	2.95e-03	798	NFP	NA
38	M137LH	F6	10	5.91e-05	16	NFP	NA
38	M137LH	9	10	8.18e-02	22144	Known	(*46, 48, 114-115*)
38	M137LH	46d	10	1.70e-01	46016	Known	(*48, 114-115*)
38	M137LH	46v	10	1.20e-01	32352	Known	(*48, 114-115*)
38	M137LH	9/46d	10	3.24e-02	8780	Known	(*48, 114-115*)
38	M137LH	9/46v	10	4.43e-05	12	Known	(*114-115*)
38	M137LH	8B	10	3.22e-02	8708	Known	(*114-115*)
38	M137LH	8l	10	5.17e-05	14	Known	(*114-115*)
38	M137LH	8m	10	3.12e-03	844	Known	(*47, 114-115*)
38	M137LH	8r	10	5.91e-05	16	NFP	NA
38	M137LH	45B	10	7.17e-04	194	Known	(*115*)
38	M137LH	45A	10	1.03e-02	2776	Known	(*48, 115*)
38	M137LH	OPRO	10	1.33e-02	3612	Known	(*46, 48, 114*)
38	M137LH	OPAI	10	2.07e-04	56	Known	(*46, 48*)
38	M137LH	11	10	2.75e-03	744	Known	(*46, 48, 114-115*)
38	M137LH	14	10	2.67e-01	72348	Known	(*46, 48, 114-115*)
38	M137LH	25	10	4.89e-03	1324	Known	(*46, 48, 114-115*)
38	M137LH	12	10	6.75e-02	18256	Known	(*44, 46, 48, 114-115*)
38	M137LH	13	10	3.21e-02	8700	Known	(*46, 48, 114-115*)

39	BB341LH	Pro.St.	10	4.67e-04	136	Known	(*114-115*)
39	BB341LH	LIP	10	3.43e-06	1	NFP	NA
39	BB341LH	STPr	10	4.73e-02	13788	Known	(*38, 115*)
39	BB341LH	STPi	10	1.30e-02	3772	Known	(*38, 114-115*)
39	BB341LH	STPc	10	6.70e-04	195	Known	(*38, 115*)
39	BB341LH	PGa	10	1.27e-03	370	NFP	NA
39	BB341LH	IPa	10	4.12e-05	12	NFP	NA
39	BB341LH	FST	10	2.16e-04	63	NFP	NA
39	BB341LH	MST	10	2.06e-05	6	NFP	NA
39	BB341LH	PERI	10	1.79e-04	52	Known	(*57, 114-115*)
39	BB341LH	TEad	10	1.37e-05	4	NFP	NA
39	BB341LH	TEav	10	4.81e-05	14	Known	(*114*)
39	BB341LH	TEpd	10	1.37e-05	4	NFP	NA
39	BB341LH	TEpv	10	2.06e-05	6	NFP	NA
39	BB341LH	TEa/ma	10	4.94e-04	144	Known	(*114-115*)
39	BB341LH	TEa/mp	10	4.12e-05	12	NFP	NA
39	BB341LH	ENTO	10	1.37e-04	40	Known	(*114-115*)
39	BB341LH	TH/TF	10	3.30e-04	96	Known	(*25, 38, 57, 114-115*)
39	BB341LH	SUB	10	7.55e-05	22	NFP	NA
39	BB341LH	POLE	10	3.04e-02	8854	Known	(*38, 54, 114-116*)
39	BB341LH	CORE	10	3.43e-05	10	Known	(*115*)
39	BB341LH	MB	10	2.61e-04	76	Known	(*115*)
39	BB341LH	LB	10	4.60e-04	134	Known	(*41, 115-116*)
39	BB341LH	PBr	10	1.30e-02	3790	Known	(*38, 115-116*)
39	BB341LH	PBc	10	5.77e-04	168	Known	(*36, 38, 115-116*)
39	BB341LH	Parainsula	10	3.43e-04	100	Known	(*115*)
39	BB341LH	INSULA	10	4.74e-04	138	Known	(*114-115*)
39	BB341LH	23	10	2.77e-03	806	Known	(*42, 114-115*)
39	BB341LH	24a	10	4.33e-04	126	Known	(*114-115*)
39	BB341LH	24b	10	4.41e-03	1285	Known	(*48, 114-115*)
39	BB341LH	24c	10	1.68e-02	4897	Known	(*48, 114-115*)
39	BB341LH	24d	10	1.37e-05	4	NFP	NA
39	BB341LH	29/30	10	1.35e-03	393	Known	(*42, 114-115*)
39	BB341LH	31	10	2.06e-04	60	Known	(*64, 114*)
39	BB341LH	32	10	8.12e-02	23635	Known	(*46, 48, 114-115, 117*)
39	BB341LH	F2	10	6.18e-05	18	NFP	NA
39	BB341LH	F7	10	3.27e-03	953	NFP	NA
39	BB341LH	F3	10	6.87e-06	2	NFP	NA
39	BB341LH	F6	10	8.93e-05	26	NFP	NA
39	BB341LH	F4	10	6.87e-06	2	NFP	NA
39	BB341LH	F5	10	1.37e-05	4	Known	(*48, 114*)
39	BB341LH	9	10	1.55e-01	45054	Known	(*46, 48, 114-115*)
39	BB341LH	46d	10	2.41e-01	70086	Known	(*48, 114-115*)
39	BB341LH	46v	10	2.95e-02	8588	Known	(*48, 114-115*)
39	BB341LH	9/46d	10	3.76e-03	1096	Known	(*48, 114-115*)

39	BB341LH	9/46v	10	2.40e-05	7	Known	(*114-115*)
39	BB341LH	8B	10	1.96e-02	5712	Known	(*114-115*)
39	BB341LH	8l	10	5.49e-05	16	Known	(*114-115*)
39	BB341LH	8m	10	2.80e-03	814	Known	(*47, 114-115*)
39	BB341LH	8r	10	1.06e-03	308	NFP	NA
39	BB341LH	45B	10	1.32e-03	385	Known	(*115*)
39	BB341LH	45A	10	3.24e-03	945	Known	(*48, 115*)
39	BB341LH	44	10	5.49e-05	16	Known	(*115*)
39	BB341LH	OPRO	10	2.79e-02	8131	Known	(*46, 48, 114*)
39	BB341LH	OPAI	10	4.94e-04	144	Known	(*46, 48*)
39	BB341LH	11	10	5.91e-03	1721	Known	(*46, 48, 114-115*)
39	BB341LH	14	10	1.97e-01	57506	Known	(*46, 48, 114-115*)
39	BB341LH	25	10	1.89e-02	5515	Known	(*46, 48, 114-115*)
39	BB341LH	12	10	6.11e-02	17781	Known	(*44, 46, 48, 114-115*)
39	BB341LH	13	10	1.09e-02	3175	Known	(*46, 48, 114-115*)

Table S7. Stereotaxic coordinates of injection sites in the F99 atlas

INJECTED AREA	CASE	MONKEY	SECTION PLANE	NODE NUMBER	FIDUCIAL F99 (X,Y,Z)		
V1	1	M81LH	HORIZONTAL	30856	27.6	-34.9	5.3
V1	2	M85LH	HORIZONTAL	30087	27.7	-35	3.7
V1	3	M85RH	HORIZONTAL	30087	27.7	-35	3.7
V1	4	M88RH	HORIZONTAL	30086	27.8	-34.7	3.1
V1	5	M121RH	CORONAL	29325	26.3	-36.6	5.6
V2	6	M101LH	CORONAL	33931	25.8	-32	9.2
V2	7	M101RH	CORONAL	33163	26.9	-32.7	9
V2	8	M103LH	CORONAL	33164	26.4	-32.7	9.4
V4	9	M121RH	CORONAL	36206	29.9	-25.2	4.6
V4	10	M123LH	CORONAL	37357	29.9	-25.7	4.2
TEO	11	M119LH	CORONAL	28507	28.1	-25.3	-4
9/46d	12	M106LH	CORONAL	62526	14.7	14.3	16.1
F5	13	M106RH	CORONAL	71691	24.8	5.5	9.6
8m	14	BB272LH	CORONAL	65890	14.4	8.3	16.8
7A	15	BB135LH	HORIZONTAL	57021	15.8	-26.9	20.8
DP	16	M89LH	HORIZONTAL	47018	15.2	-30.1	18.4
2	17	M98LH	CORONAL	73334	27.8	-6.5	11.1
5	18	M70LH	HORIZONTAL	58987	17.4	-17.2	21.3
7B	19	M68LH	SAGITAL	69949	24.9	-16.2	15.7
STPr	20	BB289LH	CORONAL	52646	23.7	-2.6	-8.2
STPi	21	BB289LH	CORONAL	60751	28.3	-10	-1.7
STPc	22	M90RH	HORIZONTAL	63769	23.9	-22	8.7
PBr	23	M108LH	CORONAL	61894	28.8	-7.6	0.6
Tepd	24	M128LH	CORONAL	34605	28.4	-13.2	-11.2
24c	25	NICORH	CORONAL	48707	6.2	12.7	14.2
F1	26	M69LH	HORIZONTAL	65528	15.3	-8.4	22.8
F2	27	M102LH	CORONAL	56369	4.6	3.2	23.7
F7	28	M102LH	CORONAL	57930	6.2	15.9	19.8
ProM	29	M98LH	CORONAL	69842	24.8	8.5	1.8
8l	30	BB272RH	CORONAL	66497	16.9	7.6	16.5
9/46v	31	M116RH	CORONAL	64296	17.9	13.4	13.2
46d	32	M116RH	CORONAL	57944	8.5	19.8	13.9
8B	33	M128LH	CORONAL	57165	6.3	18.5	18.8
10	34	M131LH	CORONAL	51414	3.7	26.9	7
MT	35	M133LH	CORONAL	51976	21.5	-23.8	6.2
7m	36	M136LH	CORONAL	24054	1.9	-27.1	19.2
10	37	M136LH	CORONAL	51030	3.5	26.5	6.4
10	38	M137LH	CORONAL	51414	3.7	26.9	7
10	39	BB341LH	CORONAL	51414	3.7	26.9	7

3) References for tables S1 and S6

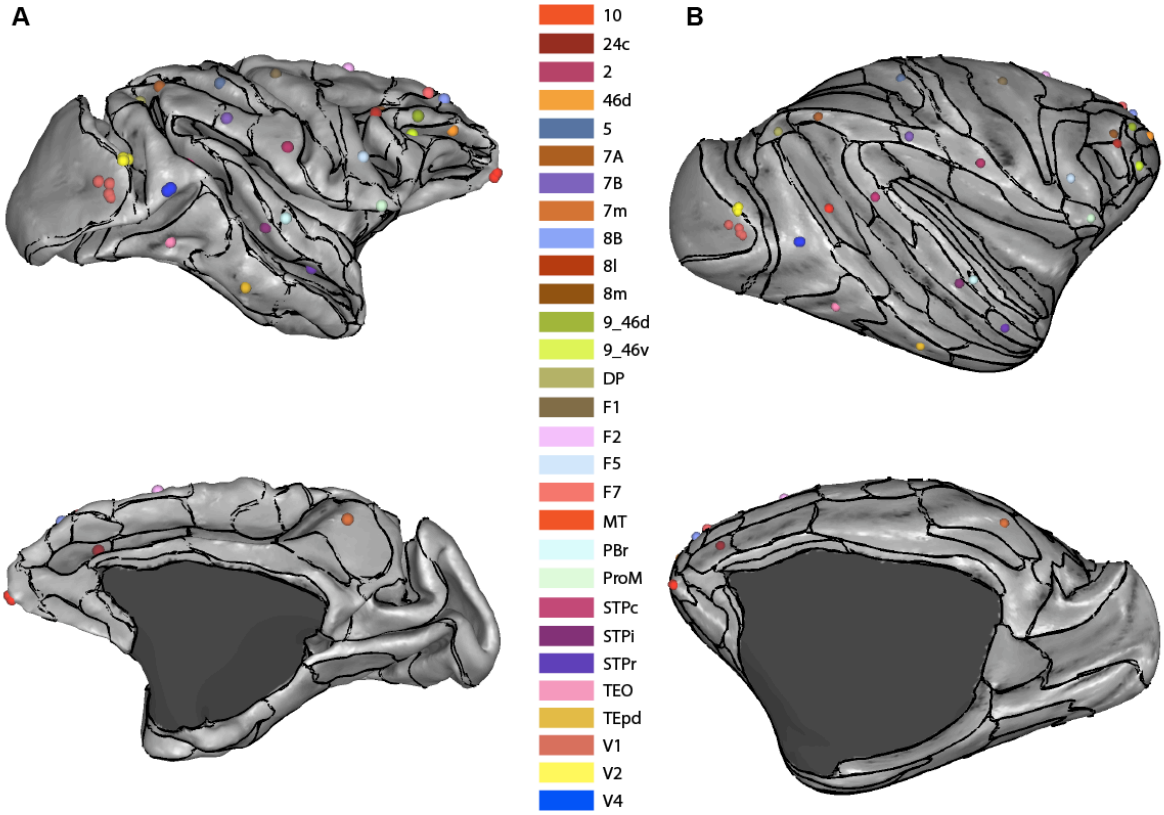
1. M. K. Baldwin, P. M. Kaskan, B. Zhang, Y. M. Chino, J. H. Kaas, The Journal of comparative neurology 520, 544 (Feb 15, 2012).
2. P. Barone, A. Batardiere, K. Knoblauch, H. Kennedy, J Neurosci 20, 3263 (May 1, 2000).
3. D. J. Felleman, D. C. Van Essen, Cereb Cortex 1, 1 (Jan-Feb, 1991).
4. R. Gattas, A. P. Sousa, M. Mishkin, L. G. Ungerleider, Cereb Cortex 7, 110 (Mar, 1997).
5. D. J. Perkel, J. Bullier, H. Kennedy, The Journal of comparative neurology 253, 374 (Nov 15, 1986).
6. K. S. Rockland, D. N. Pandya, Brain Res 179, 3 (Dec 21, 1979).
7. K. S. Rockland, G. W. Van Hoesen, Cereb Cortex 4, 300 (May-Jun, 1994).
8. K. S. Rockland, A. Virga, The Journal of comparative neurology 285, 54 (Jul 1, 1989).
9. D. J. Felleman, A. Burkhalter, D. C. Van Essen, The Journal of comparative neurology 379, 21 (Mar 3, 1997).
10. K. S. Rockland, K. S. Saleem, K. Tanaka, Visual neuroscience 11, 579 (May-Jun, 1994).
11. L. G. Ungerleider, T. W. Galkin, R. Desimone, R. Gattass, Cereb Cortex 18, 477 (Mar, 2008).
12. A. Falchier, S. Clavagnier, P. Barone, H. Kennedy, J Neurosci 22, 5749 (Jul 1, 2002).
13. J. H. Maunsell, D. C. van Essen, J Neurosci 3, 2563 (Dec, 1983).
14. L. G. Ungerleider, R. Desimone, The Journal of comparative neurology 248, 147 (Jun 8, 1986).
15. S. Clavagnier, A. Falchier, H. Kennedy, Cognitive, affective & behavioral neuroscience 4, 117 (Jun, 2004).
16. I. Stepniewska, J. H. Kaas, The Journal of comparative neurology 371, 129 (Jul 15, 1996).
17. R. Gattass et al., Philos Trans R Soc Lond B Biol Sci 360, 709 (Apr 29, 2005).
18. C. Cavada, P. S. Goldman-Rakic, The Journal of comparative neurology 287, 393 (Sep 22, 1989).
19. B. Seltzer, D. N. Pandya, The Journal of comparative neurology 312, 625 (Oct 22, 1991).
20. D. Boussaoud, L. G. Ungerleider, R. Desimone, The Journal of comparative neurology 296, 462 (Jun 15, 1990).
21. C. Distler, D. Boussaoud, R. Desimone, L. G. Ungerleider, The Journal of comparative neurology 334, 125 (Aug 1, 1993).
22. G. B. Stanton, C. J. Bruce, M. E. Goldberg, The Journal of comparative neurology 353, 291 (Mar 6, 1995).
23. I. Stepniewska, C. E. Collins, J. H. Kaas, Cereb Cortex 15, 809 (Jun, 2005).
24. G. J. Blatt, The Journal of comparative neurology 299, 421 (1990).
25. P. Lavenex, W. A. Suzuki, D. G. Amaral, The Journal of comparative neurology 447, 394 (Jun 10, 2002).
26. J. Bullier, J. D. Schall, A. Morel, Behav Brain Res 76, 89 (Apr, 1996).
27. A. Morel, J. Bullier, Visual neuroscience 4, 555 (Jun, 1990).
28. M. J. Webster, J. Bachevalier, L. G. Ungerleider, Cereb Cortex 4, 470 (Sep-Oct, 1994).
29. R. A. Andersen, C. Asanuma, G. Essick, R. M. Siegel, The Journal of comparative neurology 296, 65 (Jun 1, 1990).
30. S. L. Ding, G. Van Hoesen, K. S. Rockland, The Journal of comparative neurology 425, 510 (Oct 2, 2000).
31. M. J. Webster, L. G. Ungerleider, J. Bachevalier, J Neurosci 11, 1095 (Apr, 1991).
32. K. S. Saleem, W. Suzuki, K. Tanaka, T. Hashikawa, J Neurosci 20, 5083 (Jul 1, 2000).
33. J. D. Schall, A. Morel, D. J. King, J. Bullier, J Neurosci 15, 4464 (Jun, 1995).
34. M. Petrides, D. N. Pandya, Eur J Neurosci 11, 1011 (Mar, 1999).
35. P. B. Cipolloni, D. N. Pandya, The Journal of comparative neurology 403, 431 (Jan 25, 1999).
36. M. Petrides, D. N. Pandya, PLoS Biol 7, e1000170 (Aug, 2009).
37. M. Petrides, D. N. Pandya, The Journal of comparative neurology 228, 105 (Sep 1, 1984).
38. K. S. Saleem, H. Kondo, J. L. Price, The Journal of comparative neurology 506, 659 (Feb 1, 2008).
39. B. Seltzer, D. N. Pandya, The Journal of comparative neurology 281, 97 (Mar 1, 1989).
40. T. A. Hackett, I. Stepniewska, J. H. Kaas, Brain Res 817, 45 (Jan 30, 1999).

41. L. M. Romanski et al., Nature neuroscience 2, 1131 (Dec, 1999).
42. Y. Kobayashi, D. G. Amaral, The Journal of comparative neurology 502, 810 (Jun 10, 2007).
43. R. Morris, M. Petrides, D. N. Pandya, Eur J Neurosci 11, 2506 (Jul, 1999).
44. H. Barbas, D. N. Pandya, The Journal of comparative neurology 286, 353 (Aug 15, 1989).
45. D. N. Pandya, G. W. Van Hoesen, M. M. Mesulam, Exp Brain Res 42, 319 (1981).
46. H. Barbas, C. C. Hilgetag, S. Saha, C. R. Dermon, J. L. Suski, BMC Neurosci 6, 32 (2005).
47. M. Petrides, D. N. Pandya, The Journal of comparative neurology 498, 227 (Sep 10, 2006).
48. S. T. Carmichael, J. L. Price, The Journal of comparative neurology 371, 179 (Jul 22, 1996).
49. M. Gerbella, A. Belmalih, E. Borra, S. Rozzi, G. Luppino, Brain Struct Funct 216, 43 (Dec 5, 2011).
50. M. Matelli, R. Camarda, M. Glickstein, G. Rizzolatti, The Journal of comparative neurology 251, 281 (Sep 15, 1986).
51. O. A. Gharbawie, I. Stepniewska, H. Qi, J. H. Kaas, J Neurosci 31, 11660 (Aug 10, 2011).
52. J. Tanne-Gariepy, E. M. Rouiller, D. Boussaoud, Exp Brain Res 145, 91 (Jul, 2002).
53. G. Luppino, A. Murata, P. Govoni, M. Matelli, Exp Brain Res 128, 181 (Sep, 1999).
54. H. Kondo, K. S. Saleem, J. L. Price, The Journal of comparative neurology 465, 499 (Oct 27, 2003).
55. H. Barbas, D. N. Pandya, The Journal of comparative neurology 256, 211 (Feb 8, 1987).
56. M. F. Huerta, L. A. Krubitzer, J. H. Kaas, The Journal of comparative neurology 265, 332 (Nov 15, 1987).
57. H. Kondo, K. S. Saleem, J. L. Price, The Journal of comparative neurology 493, 479 (Dec 26, 2005).
58. R. A. Andersen, C. Asanuma, W. M. Cowan, The Journal of comparative neurology 232, 443 (Feb 22, 1985).
59. J. W. Neal, R. C. Pearson, T. P. Powell, Brain Res 532, 249 (Nov 5, 1990).
60. S. Rozzi et al., Cereb Cortex 16, 1389 (Oct, 2006).
61. I. Divac, J. H. Lavail, P. Rakic, K. R. Winston, Brain Res 123, 197 (Mar 11, 1977).
62. D. N. Pandya, B. Seltzer, The Journal of comparative neurology 204, 196 (Jan 10, 1982).
63. M. G. Maioli, S. Squatrito, B. G. Samolsky-Dekel, E. R. Sanseverino, Brain Res 789, 118 (Apr 6, 1998).
64. J. Parvizi, G. W. Van Hoesen, J. Buckwalter, A. Damasio, Proc Natl Acad Sci U S A 103, 1563 (Jan 31, 2006).
65. C. L. Barnes, D. N. Pandya, The Journal of comparative neurology 318, 222 (Apr 8, 1992).
66. M. Munoz, R. Insausti, Eur J Neurosci 22, 1368 (Sep, 2005).
67. C. Cavada, P. S. Goldman-Rakic, The Journal of comparative neurology 287, 422 (Sep 22, 1989).
68. C. Galletti et al., Eur J Neurosci 13, 1572 (Apr, 2001).
69. T. P. Pons, J. H. Kaas, The Journal of comparative neurology 248, 313 (Jun 15, 1986).
70. E. G. Jones, J. D. Coulter, S. H. Hendry, The Journal of comparative neurology 181, 291 (Sep 15, 1978).
71. S. Bakola, M. Gamberini, L. Passarelli, P. Fattori, C. Galletti, Cereb Cortex 20, 2592 (Nov, 2010).
72. M. Gamberini et al., The Journal of comparative neurology 513, 622 (Apr 20, 2009).
73. B. Marconi et al., Cereb Cortex 11, 513 (Jun, 2001).
74. J. W. Lewis, D. C. Van Essen, The Journal of comparative neurology 428, 112 (Dec 4, 2000).
75. J. W. Neal, R. C. Pearson, T. P. Powell, Brain Res 524, 119 (Jul 30, 1990).
76. C. G. Cusick, B. Seltzer, M. Cola, E. Griggs, The Journal of comparative neurology 360, 513 (Sep 25, 1995).
77. J. Padberg, B. Seltzer, C. G. Cusick, The Journal of comparative neurology 467, 418 (Dec 15, 2003).
78. B. Seltzer, D. N. Pandya, The Journal of comparative neurology 343, 445 (May 15, 1994).
79. B. Seltzer, D. N. Pandya, The Journal of comparative neurology 290, 451 (Dec 22, 1989).
80. A. M. Galaburda, D. N. Pandya, The Journal of comparative neurology 221, 169 (Dec 1, 1983).
81. H. Barbas et al., Cereb Cortex 15, 1356 (Sep, 2005).

82. P. B. Cipolloni, D. N. Pandya, The Journal of comparative neurology 281, 567 (Mar 22, 1989).
83. T. A. Hackett, I. Stepniewska, J. H. Kaas, The Journal of comparative neurology 394, 475 (May 18, 1998).
84. M. Yukie, Neurosci Res 22, 179 (May, 1995).
85. M. Medalla, P. Lera, M. Feinberg, H. Barbas, Cereb Cortex 17 Suppl 1, i136 (Sep, 2007).
86. E. Borra, N. Ichinohe, T. Sato, M. Tanifuji, K. S. Rockland, Cereb Cortex 20, 257 (Feb, 2010).
87. M. Gerbella, A. Belmalih, E. Borra, S. Rozzi, G. Luppino, Cereb Cortex 20 141 (Apr 30, 2010).
88. R. J. Morecraft et al., Brain Res Bull 87, 457 (Mar 10, 2012).
89. R. J. Morecraft, G. W. Van Hoesen, Brain Res Bull 45, 209 (1998).
90. R. J. Morecraft, G. W. Van Hoesen, The Journal of comparative neurology 337, 669 (Nov 22, 1993).
91. N. Hatanaka et al., The Journal of comparative neurology 462, 121 (Jul 14, 2003).
92. M. Takada et al., Eur J Neurosci 19, 3328 (Jun, 2004).
93. J. F. Bates, P. S. Goldman-Rakic, The Journal of comparative neurology 336, 211 (Oct 8, 1993).
94. G. R. Leichnetz, The Journal of comparative neurology 254, 460 (Dec 22, 1986).
95. P. B. Johnson, S. Ferraina, L. Bianchi, R. Caminiti, Cereb Cortex 6, 102 (Mar-Apr, 1996).
96. C. Darian-Smith, I. Darian-Smith, K. Burman, N. Ratcliffe, The Journal of comparative neurology 335, 200 (Sep 8, 1993).
97. S. Ghosh, C. Brinkman, R. Porter, The Journal of comparative neurology 259, 424 (May 15, 1987).
98. H. Tokuno, M. Takada, A. Nambu, M. Inase, The Journal of comparative neurology 389, 34 (Dec 8, 1997).
99. M. Matelli, P. Govoni, C. Galletti, D. F. Kutz, G. Luppino, The Journal of comparative neurology 402, 327 (Dec 21, 1998).
100. N. Hatanaka, H. Tokuno, A. Nambu, T. Inoue, M. Takada, The Journal of comparative neurology 492, 401 (Nov 28, 2005).
101. G. Luppino, M. Matelli, R. Camarda, G. Rizzolatti, The Journal of comparative neurology 338, 114 (Dec 1, 1993).
102. R. Caminiti et al., Eur J Neurosci 11, 3339 (Sep, 1999).
103. S. Ghosh, R. Gattera, Somatosens Mot Res 12, 359 (1995).
104. G. Luppino, R. Calzavara, S. Rozzi, M. Matelli, Eur J Neurosci 14, 1035 (Sep, 2001).
105. G. Luppino, S. Rozzi, R. Calzavara, M. Matelli, Eur J Neurosci 17, 559 (Feb, 2003).
106. M. F. Huerta, J. H. Kaas, The Journal of comparative neurology 293, 299 (Mar 8, 1990).
107. M. Petrides, D. N. Pandya, J Neurosci 27, 11573 (Oct 24, 2007).
108. E. Borra et al., Cereb Cortex 18, 1094 (May, 2008).
109. H. Barbas, The Journal of comparative neurology 276, 313 (Oct 15, 1988).
110. M. Gerbella, E. Borra, S. Tonelli, S. Rozzi, G. Luppino, Cereb Cortex, (Apr 11, 2012).
111. M. Petrides, D. N. Pandya, Eur J Neurosci 16, 291 (Jul, 2001).
112. T. M. Preuss, P. S. Goldman-Rakic, The Journal of comparative neurology 282, 293 (Apr 8, 1989).
113. H. Barbas, M. M. Mesulam, Neuroscience 15, 619 (Jul, 1985).
114. H. Barbas, H. Ghashghaei, S. M. Dombrowski, N. L. Rempel-Clower, The Journal of comparative neurology 410, 343 (Aug 2, 1999).
115. C. Cavada, T. Company, J. Tejedor, R. J. Cruz-Rizzolo, F. Reinoso-Suarez, Cereb Cortex 10, 220 (Mar, 2000).
116. L. M. Romanski, J. F. Bates, P. S. Goldman-Rakic, The Journal of comparative neurology 403, 141 (Jan 11, 1999).
117. M. Medalla, H. Barbas, J Neurosci 30, 16068 (Dec 1, 2010).
118. J. C. Anderson, K. A. Martin, The Journal of comparative neurology 443, 56 (Jan 28, 2002).
119. R. J. Morecraft, P. B. Cipolloni, K. S. Stilwell-Morecraft, M. T. Gedney, D. N. Pandya, The Journal of comparative neurology 469, 37 (Jan 26, 2004).

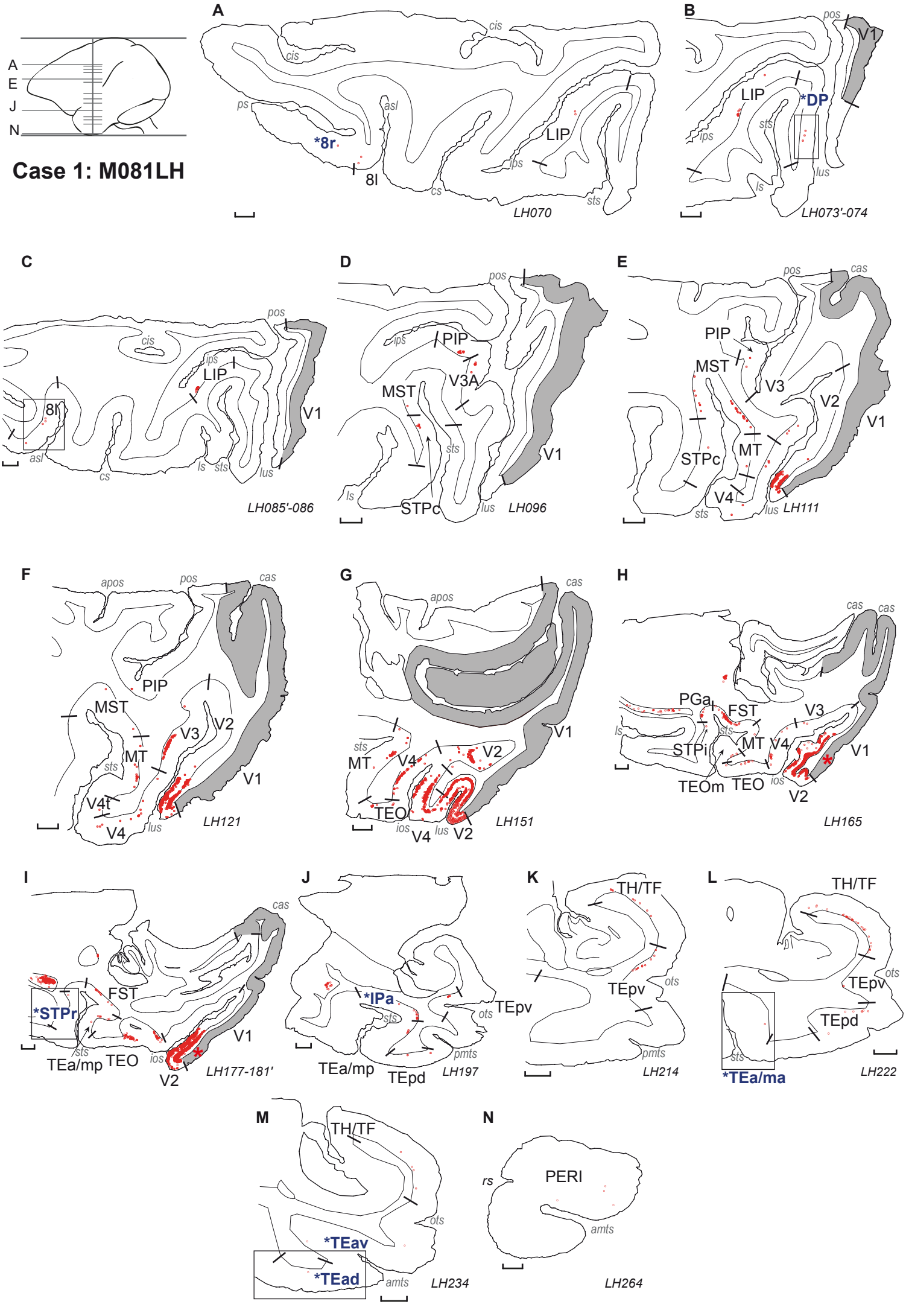
4) Supplementary figures

Figure S1 - Locations of 39 injection sites represented on the F99 atlas surface



Each injection site center was identified on histological section contours, and its location relative to areal boundaries used to estimate its atlas location (see Methods). **A:** The 39 injection sites are represented on the F99 reference brain on lateral (upper) and medial (lower) views. **B:** Injections sites reported onto the inflated representation of F99. Colour key as in Figure 1. Stereotaxic coordinates on F99 see Table S7.

Figure S2 - Charts of labeled neurons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E
J
N
Case 1: M081LH
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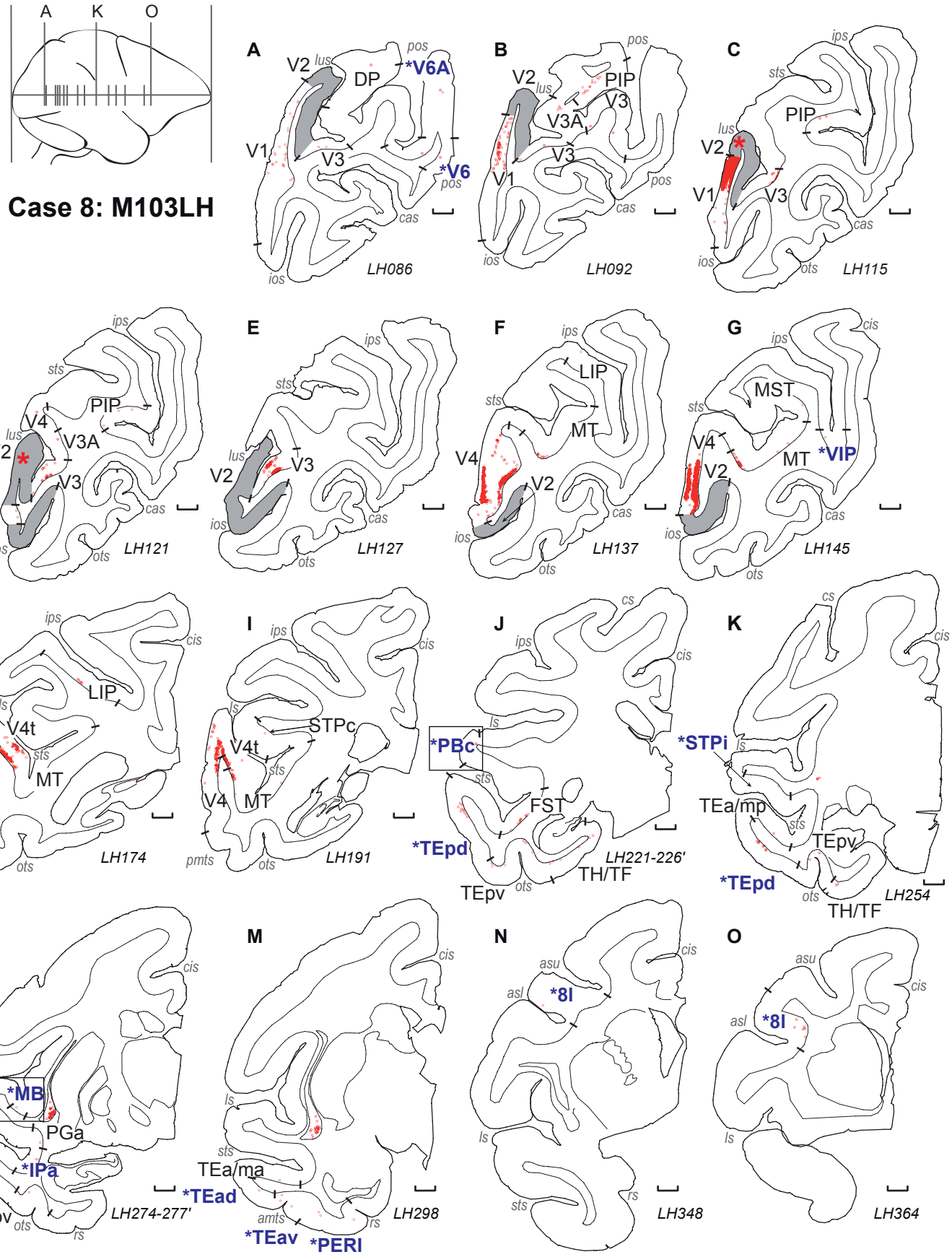
cis
cis
ps
asl
*8r
8l
LIP
ips
cs
sts
LH070
B
pos
V1
LIP
*DP
sts
ips
lus
ls
LH073'-074
C
pos
cis
ips
LIP
8l
V1
asl
cs
ls
sts
lus
LH085'-086
D
pos
ips
PIP
V3A
MST
sts
V1
ls
STPc
lus
LH096
E
pos
cas
PIP
MST
V3
V2
V1
STPc
MT
V4
sts
lus
LH111
F
apos
pos
cas
PIP
MST
V3
V2
MT
sts
V1
V4t
V4
lus
LH121
G
apos
cas
V1
sts
MT
V4
V2
TEO
ios
lus
V4
V2
LH151
H
cas
cas
PGa
FST
V3
ls
sts
STPi
MT
V4
V1
TEOm
TEO
ios
V2
LH165
I
cas
FST
*STPr
sts
V1
TEa/mp
TEO
ios
V2
LH177-181'
J
*IPa
sts
ots
TEpv
pmts
TEa/mp
TEpd
LH197
K
TH/TF
ots
TEpv
pmts
LH214
L
TH/TF
ots
TEpv
TEpd
sts
*TEa/ma
LH222
M
TH/TF
ots
*TEav
*TEad
amts
LH234
N
rs
PERI
amts
LH264


A K O
Case 8: M103LH
A
V2
lus
pos
DP
*V6A
V1
V3
*V6
pos
cas
ios
LH086
B
pos
V2
lus
PIP
V3
V3A
V3
V1
pos
cas
ios
LH092
C
ips
sts
PIP
lus
V2
V1
V3
cas
ios
ots
LH115
D
ips
sts
PIP
V4
lus
V2
V3A
V3
V1
cas
ios
ots
LH121
E
ips
sts
lus
V3
V2
ios
cas
ots
LH127
F
ips
LIP
sts
MT
V4
V2
cas
ios
ots
LH137
G
ips
cis
MST
sts
V4
MT
*VIP
V2
cas
ios
ots
LH145
H
ips
cis
LIP
ls
V4t
sts
V4
MT
pmts
ots
LH174
I
ips
cis
ls
STPc
V4t
sts
V4
MT
pmts
ots
LH191
J
cs
ips
cis
*PBc
ls
sts
FST
*TEpd
TH/TF
TEpv
ots
LH221-226'
K
cs
cis
*STPi
ls
TEa/mp
sts
TEpv
*TEpd
ots
LH254
TH/TF
L
cis
ls
*MB
sts
PGa
*IPa
*TEpd
TEpv
ots
rs
LH274-277'
M
cis
ls
sts
TEa/ma
*TEad
amts
rs
*TEav
*PERI
LH298
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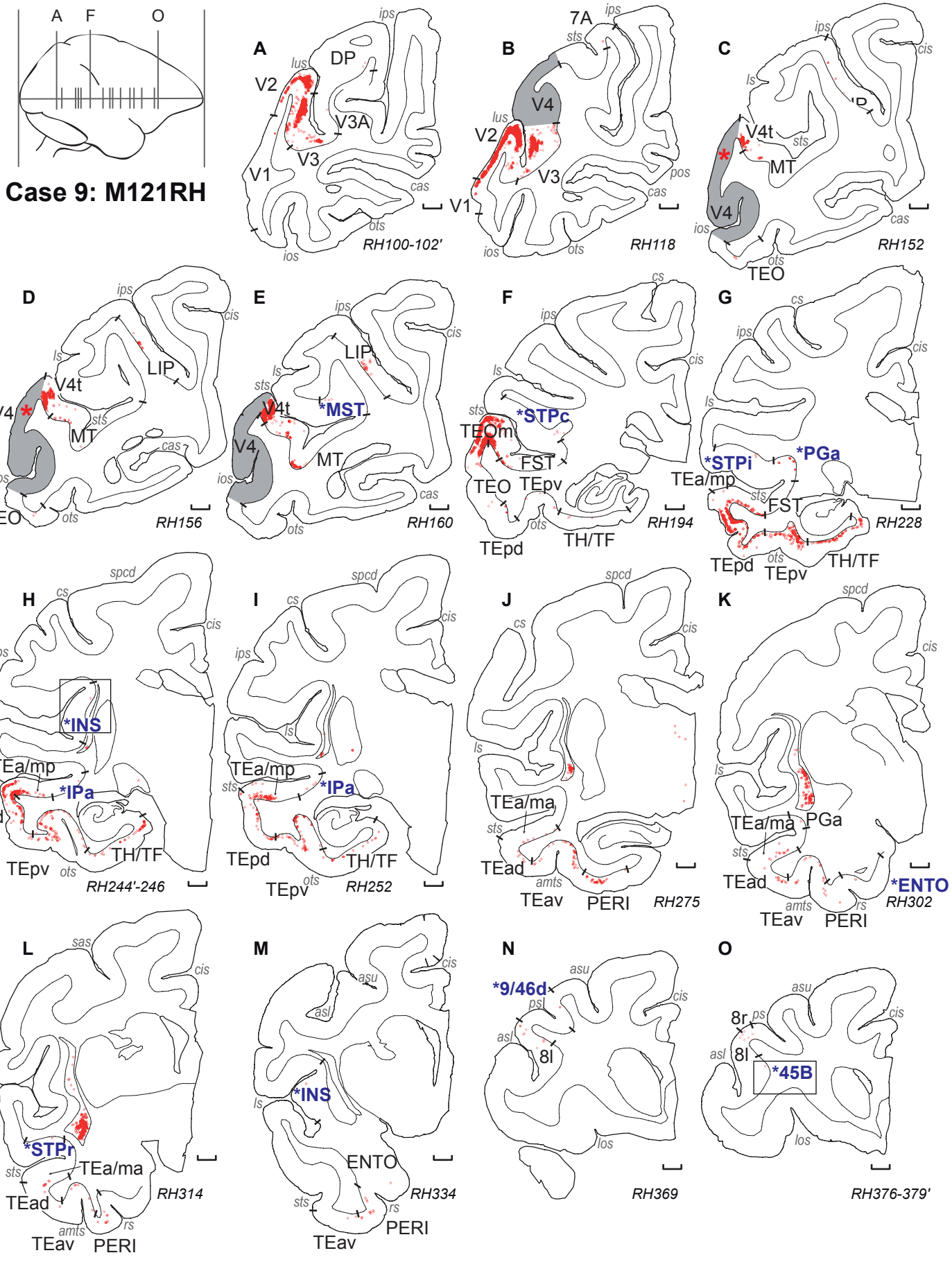
asu
cis
asl
*8l
ls
sts
rs
LH348
O
asu
cis
asl
*8l
ls
LH364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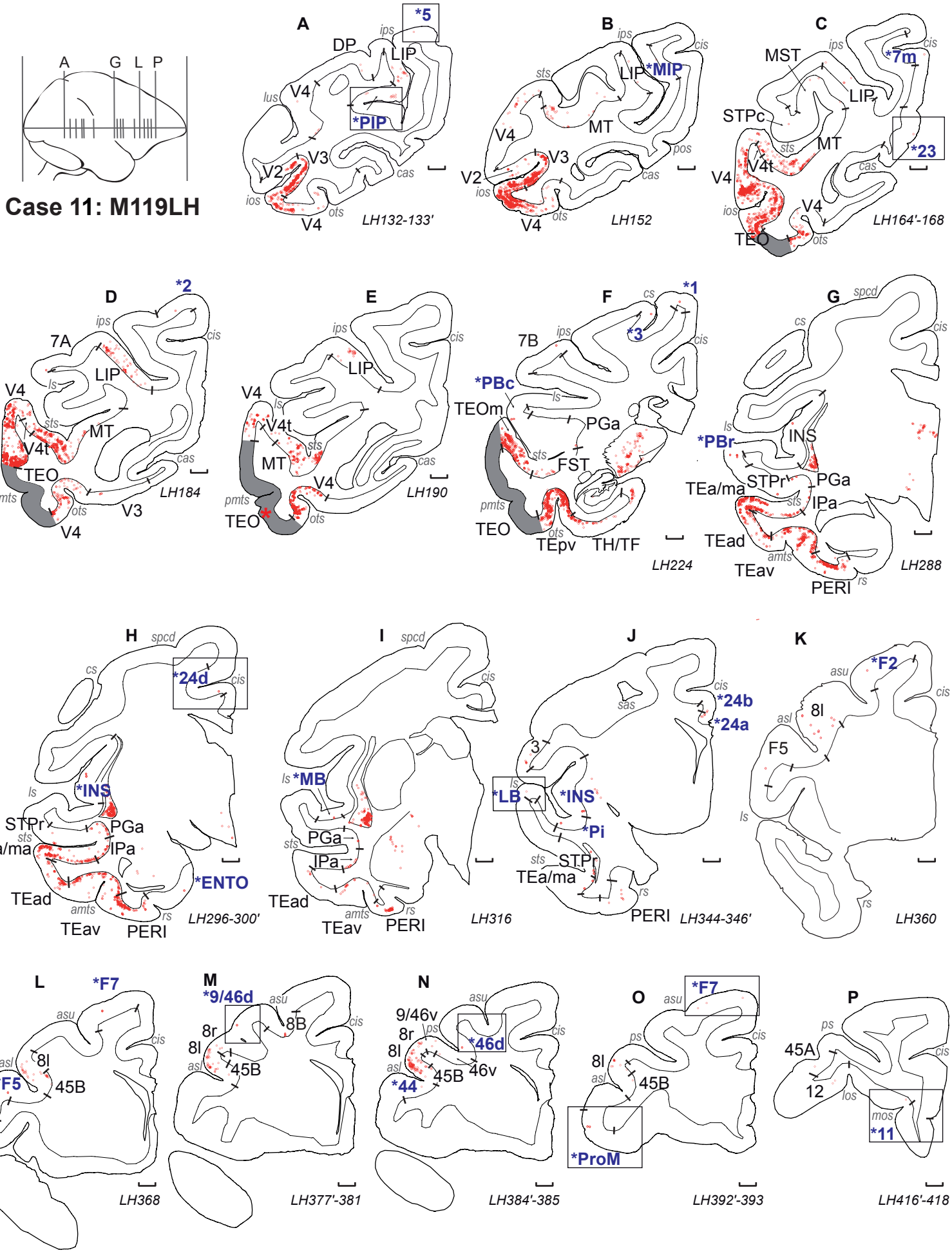
Case 9: M121RH
A
DP
V2
V3A
V3
V1
lus
ips
cas
ios
ots
RH100-102'
B
7A
V4
V2
V3
V1
lus
sts
ips
pos
cas
ios
ots
RH118
C
V4t
MT
V4
*
sts
ips
cis
ls
cas
ios
ots
TEO
RH152
D
LIP
V4t
V4
*
MT
sts
ips
cis
ls
cas
ios
ots
TEO
RH156
E
LIP
*MST
V4t
V4
MT
sts
ips
cis
ls
cas
ios
ots
RH160
F
*STPc
TEOm
FST
TEO
TEpv
TEpd
TH/TF
sts
ips
cis
cs
ls
ots
RH194
G
*STPi
*PGa
TEa/mp
FST
TEpd
TEpv
TH/TF
sts
ips
cis
cs
ls
ots
RH228
H
*INS
TEa/mp
*IPa
TEpd
TH/TF
TEpv
sts
ips
cis
cs
ls
spcd
ots
RH244'-246
I
TEa/mp
*IPa
TEpd
TH/TF
TEpv
sts
ips
cis
cs
ls
spcd
ots
RH252
J
TEa/ma
TEad
TEav
PERI
sts
cis
cs
ls
spcd
amts
RH275
K
TEa/ma
PGa
TEad
TEav
PERI
*ENTO
sts
cis
ls
spcd
amts
rs
RH302
L
*STPr
TEa/ma
TEad
TEav
PERI
sts
cis
ls
sas
amts
rs
RH314
M
*INS
ENTO
TEav
PERI
sts
cis
ls
asu
asl
rs
RH334
N
*9/46d
8l
ps
asl
cis
asu
los
RH369
O
8r
8l
*45B
ps
asl
cis
asu
los
RH376-379'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Case 11: M119LH
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*5
DP
LIP
ips
lus
V4
*PIP
V3
V2
cas
ios
ots
V4
LH132-133'
B
ips
cis
sts
LIP
*MIP
MT
V4
V3
pos
V2
cas
ios
ots
V4
LH152
C
MST
ips
cis
*7m
LIP
STPc
sts
MT
*23
V4t
cas
V4
ios
V4
TEO
ots
LH164'-168
D
*2
ips
7A
cis
LIP
V4
ls
sts
MT
V4t
cas
TEO
pmts
ots
V3
LH184
V4
E
ips
cis
LIP
V4
ls
V4t
sts
MT
cas
V4
pmts
TEO
*
ots
LH190
F
cs
*1
ips
*3
cis
7B
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ls
TEOm
PGa
sts
FST
pmts
TEO
ots
TEpv
TH/TF
LH224
G
spcd
cs
cis
ls
INS
*PBr
TEa/ma
STPr
PGa
sts
IPa
TEad
amts
TEav
PERI
rs
LH288
H
spcd
cs
*24d
cis
ls
*INS
STPr
PGa
sts
TEa/ma
IPa
*ENTO
TEad
amts
rs
TEav
PERI
LH296-300'
I
spcd
cis
ls
*MB
PGa
sts
IPa
TEad
amts
rs
TEav
PERI
LH316
J
cis
sas
*24b
*24a
3
ls
*LB
*INS
*Pi
sts
STPr
TEa/ma
rs
PERI
LH344-346'
K
*F2
asu
cis
asl
8l
F5
ls
rs
LH360
L
*F7
asu
cis
asl
8l
*F5
45B
ls
LH368
M
*9/46d
asu
8r
8B
cis
8l
asl
45B
LH377'-381
N
asu
9/46v
ps
cis
8r
*46d
8l
asl
45B
46v
*44
LH384'-385
O
*F7
asu
ps
cis
8l
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cis
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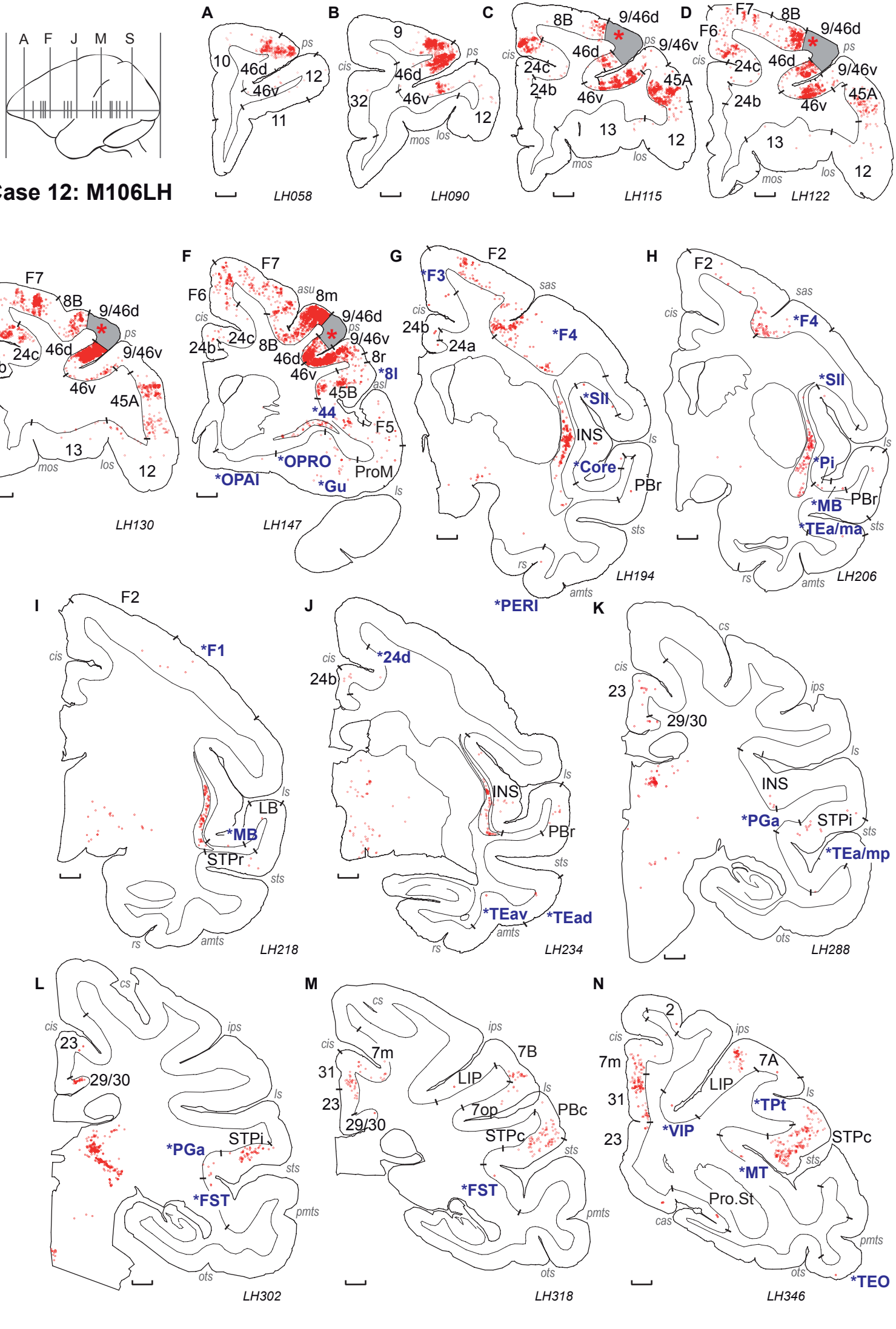
mos
*11
LH416'-418



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Case 12: M106LH
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46v
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9
46d
46v
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12
cis
ps
mos
los
LH090
C
8B
9/46d
46d
9/46v
24c
24b
46v
45A
13
12
cis
ps
mos
los
LH115
D
F7
8B
F6
9/46d
24c
46d
9/46v
24b
46v
45A
13
12
cis
ps
mos
los
LH122
E
F7
F6
8B
9/46d
24c
46d
9/46v
24b
46v
45A
13
12
cis
ps
mos
los
LH130
F
F7
F6
asu
8m
9/46d
24c
8B
9/46v
24b
46d
8r
46v
*8l
45B
asl
*44
F5
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ProM
*OPAI
*Gu
ls
LH147
G
F2
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sas
cis
24b
24a
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ls
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PBr
sts
rs
amts
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LH194
H
F2
sas
cis
*F4
*SII
ls
*Pi
PBr
*MB
*TEa/ma
sts
rs
amts
LH206
I
F2
*F1
cis
ls
LB
*MB
STPr
sts
rs
amts
LH218
J
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24b
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INS
PBr
sts
*TEav
*TEad
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rs
LH234
K
cs
cis
23
29/30
ips
ls
INS
*PGa
STPi
sts
*TEa/mp
ots
LH288
L
cs
cis
23
29/30
ips
ls
*PGa
STPi
sts
*FST
pmts
ots
LH302
M
cs
cis
7m
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23
29/30
ips
7B
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ls
7op
PBc
STPc
sts
*FST
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ots
LH318
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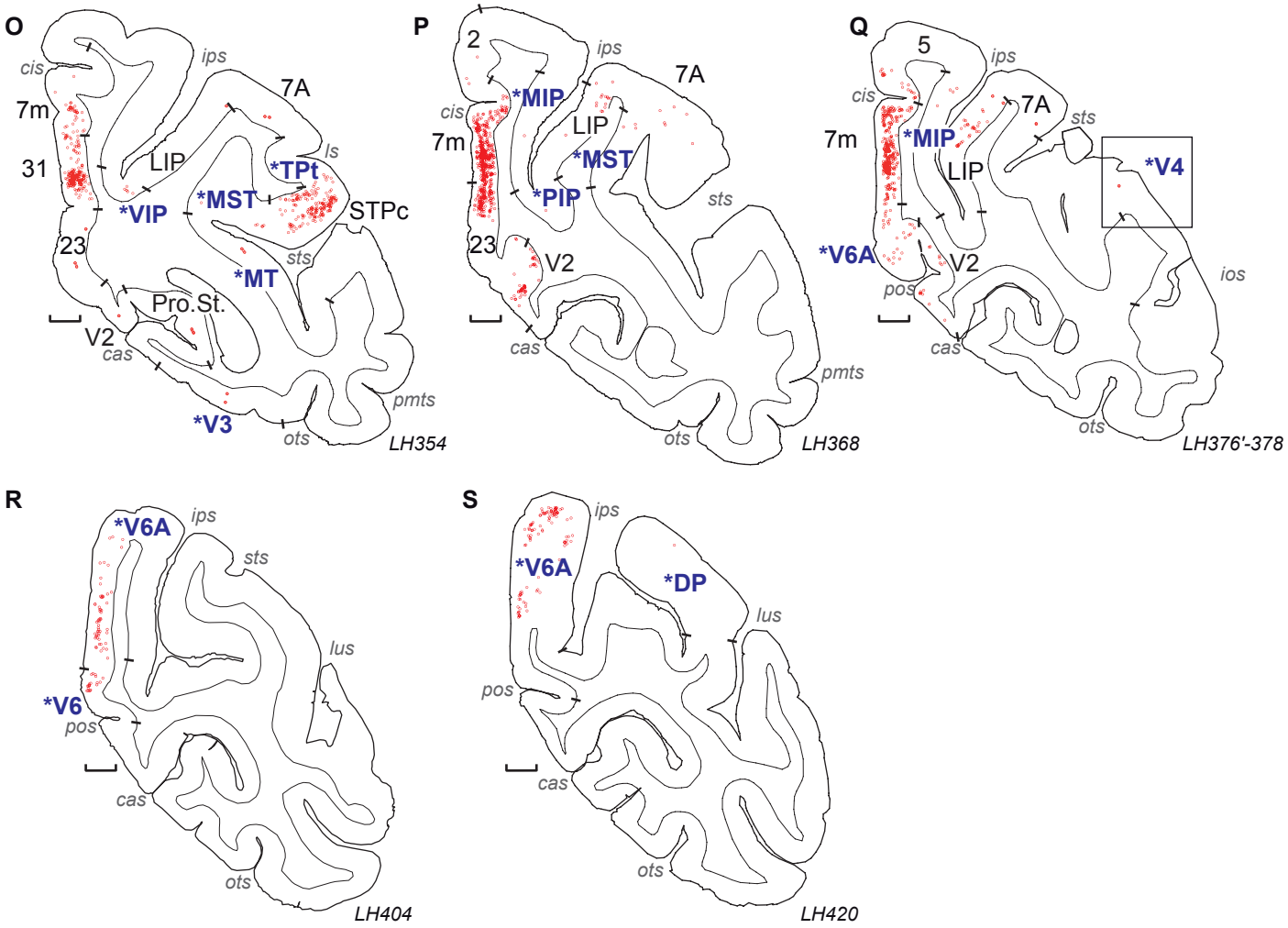
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cis
ips
7A
7m
31
LIP
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*TPt
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STPc
23
sts
*MT
Pro.St.
V2
cas
pmts
*V3
ots
LH354
P
2
ips
7A
cis
*MIP
LIP
7m
*MST
*PIP
sts
23
V2
cas
pmts
ots
LH368
Q
5
ips
cis
7A
sts
7m
*MIP
LIP
*V4
*V6A
V2
ios
pos
cas
ots
LH376'-378
R
*V6A
ips
sts
lus
*V6
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cas
ots
LH404
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ips
*V6A
*DP
lus
pos
cas
ots
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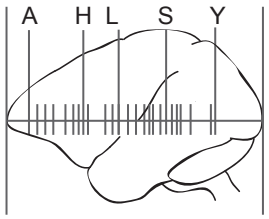

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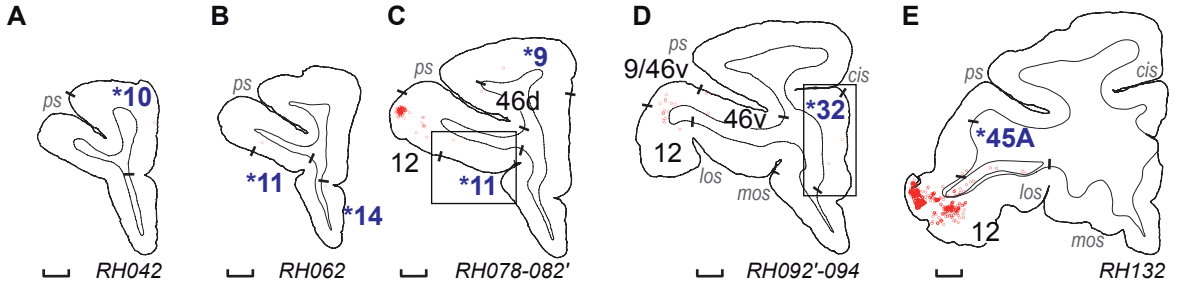
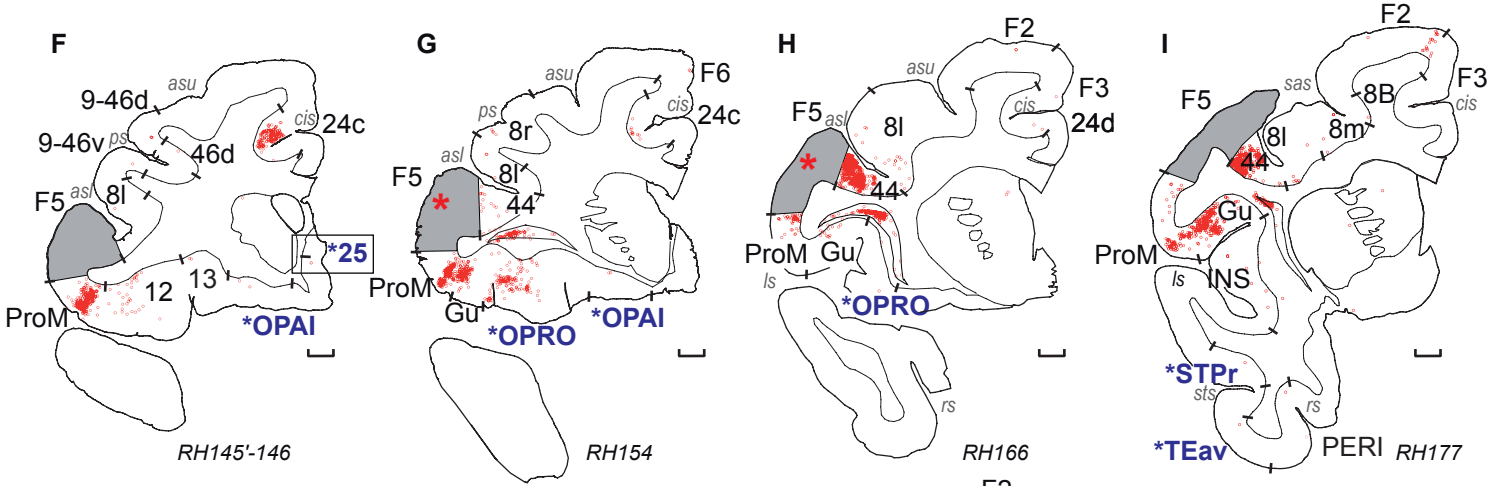
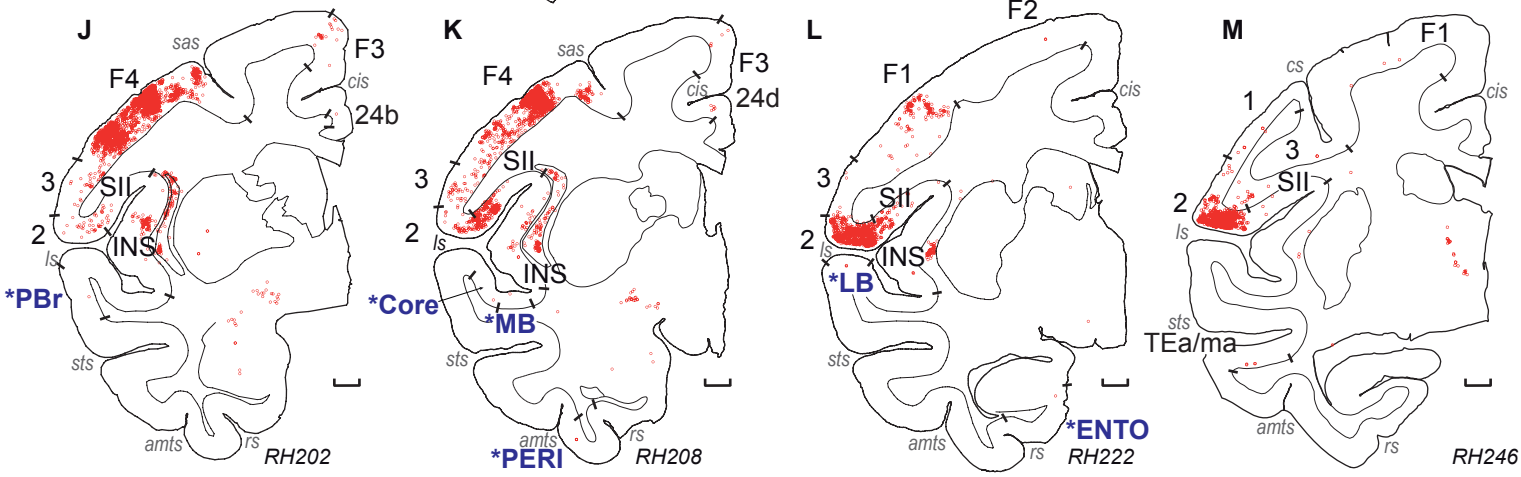
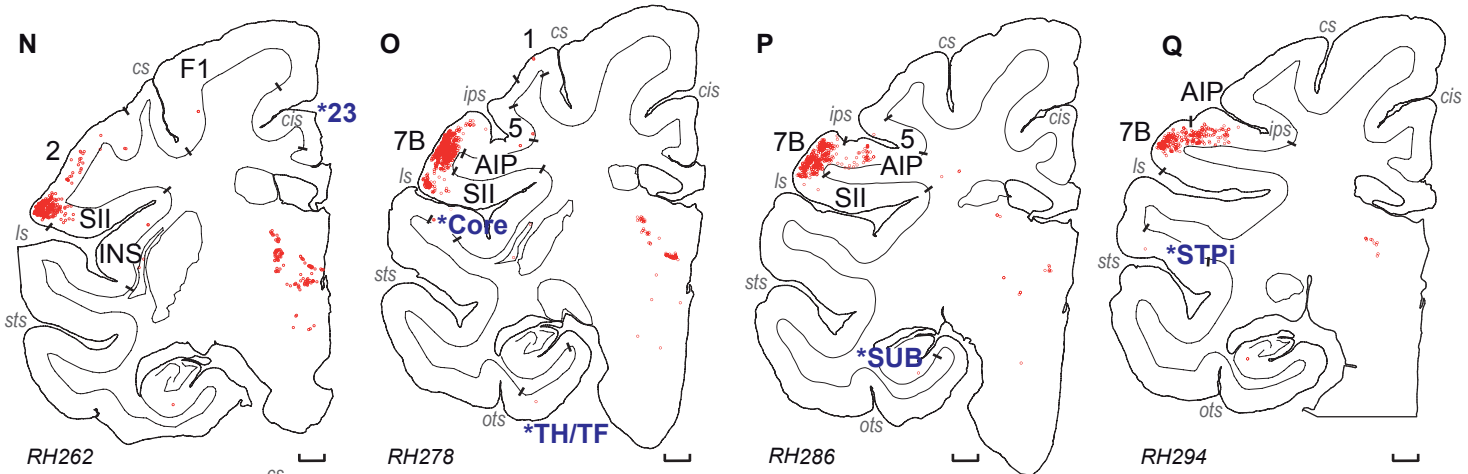
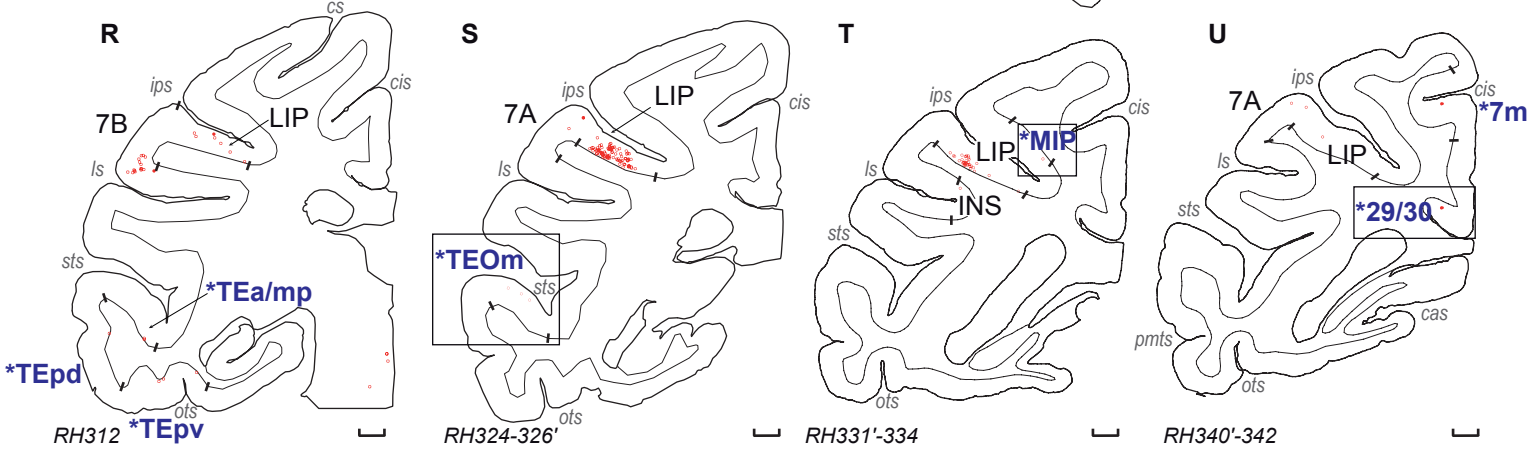
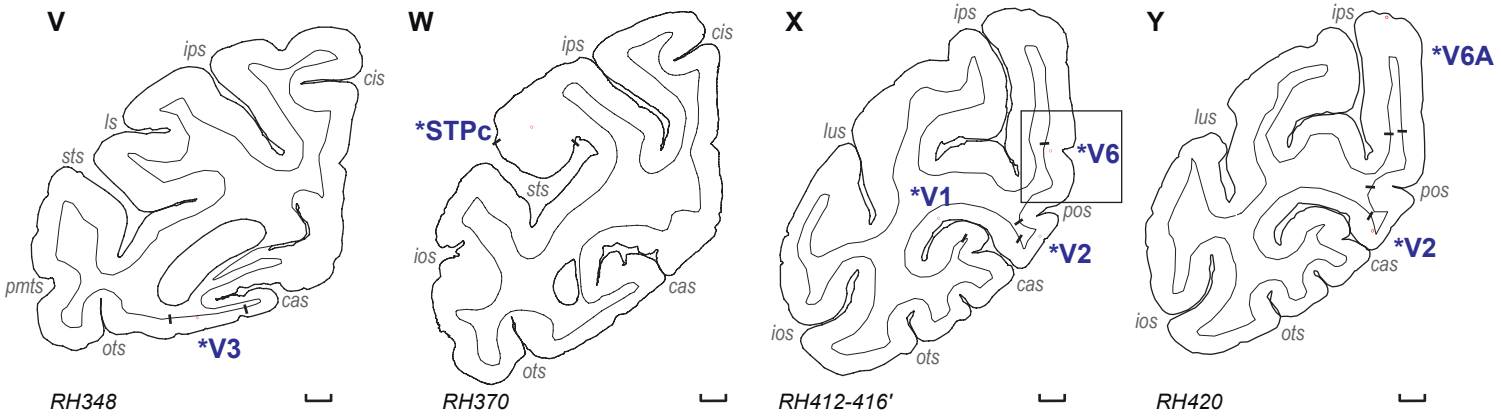


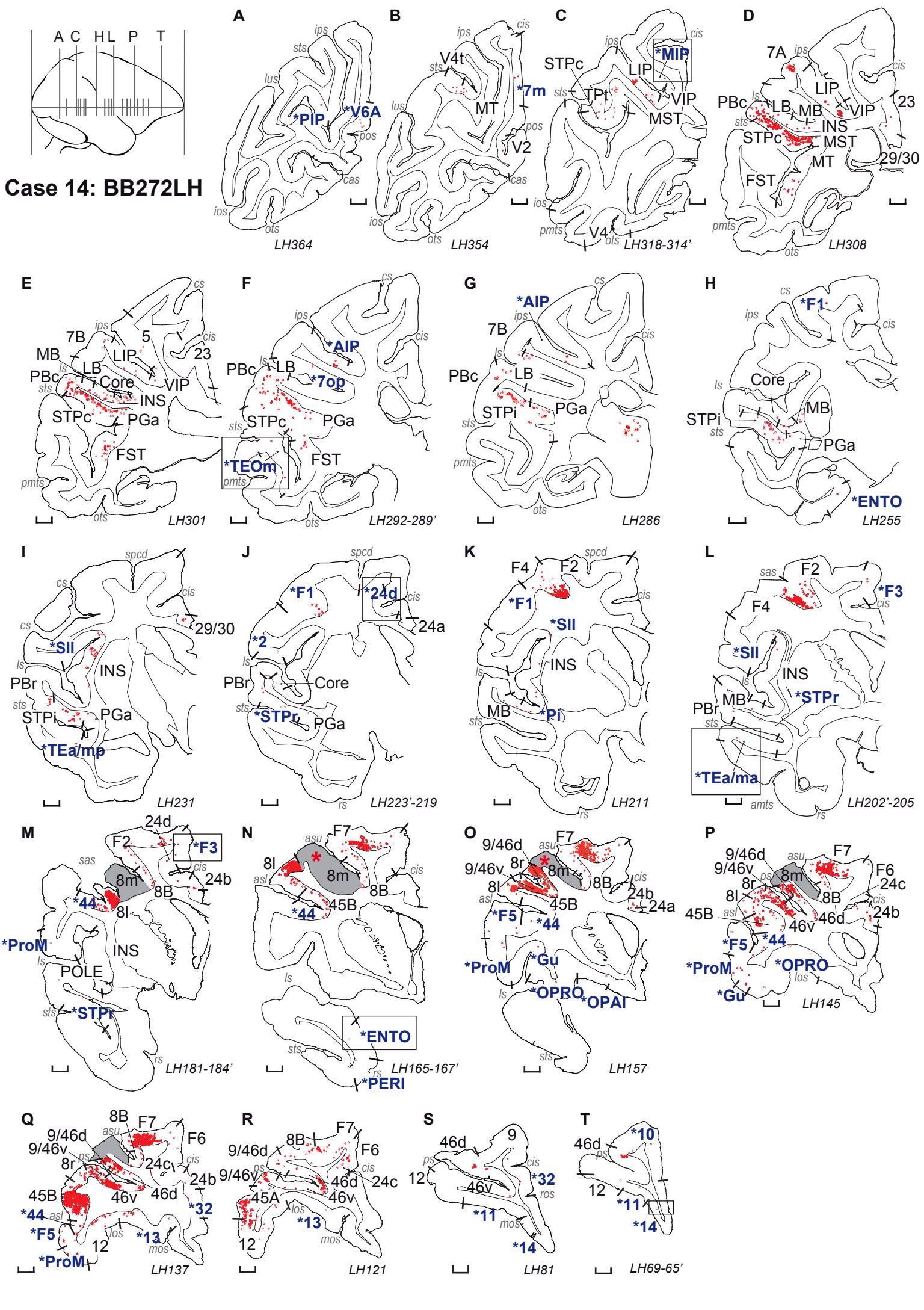


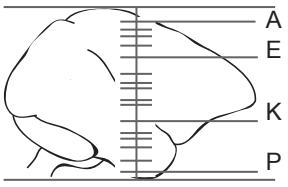




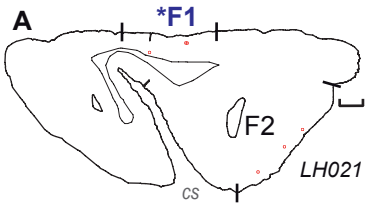


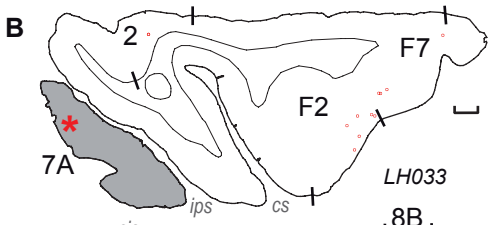

V
ips
cis
ls
sts
pmts
cas
ots
*V3
RH348
W
ips
cis
*STPc
sts
ios
cas
ots
RH370
X
ips
lus
*V6
*V1
pos
*V2
cas
ios
ots
RH412-416'
Y
ips
*V6A
lus
pos
*V2
cas
ios
ots
RH420

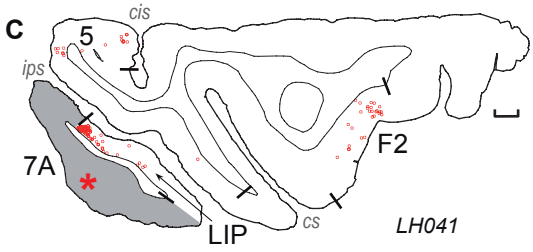

A C HL P T
Case 14: BB272LH
A
ips
sts
lus
*PIP
*V6A
pos
cas
ios
ots
LH364
B
ips
cis
V4t
sts
*7m
MT
lus
pos
V2
cas
ios
ots
LH354
C
ips
cis
*MIP
STPc
LIP
sts
TPt
VIP
MST
ios
pmts
V4
ots
LH318-314'
D
7A
ips
cis
LIP
PBc
ls
LB
MB
VIP
23
sts
INS
STPc
MST
MT
29/30
FST
pmts
ots
LH308
E
cs
ips
7B
5
cis
MB
LIP
23
ls
LB
PBc
Core
VIP
sts
INS
STPc
PGa
FST
pmts
ots
LH301
F
cs
ips
cis
*AIP
PBc
ls
LB
*7op
sts
STPc
PGa
*TEOm
FST
pmts
ots
LH292-289'
G
cs
*AIP
ips
7B
cis
ls
PBc
LB
STPi
PGa
sts
pmts
ots
LH286
H
cs
*F1
ips
cis
ls
Core
MB
STPi
sts
PGa
*ENTO
LH255
I
spcd
cs
cis
29/30
cs
*SII
ls
INS
PBr
sts
STPi
PGa
*TEa/mp
LH231
J
spcd
*F1
*24d
cis
24a
*2
ls
PBr
Core
sts
*STPr
PGa
rs
LH223'-219
K
F4
F2
spcd
*F1
cis
*SII
INS
ls
MB
*Pi
sts
rs
LH211
L
sas
F2
*F3
F4
cis
*SII
INS
ls
MB
*STPr
PBr
sts
*TEa/ma
amts
rs
LH202'-205
M
24d
F2
*F3
sas
cis
8m
24b
8B
*44
8l
*ProM
INS
ls
POLE
sts
*STPr
rs
LH181-184'
N
asu
F7
8l
*
8m
cis
asl
8B
45B
*44
ls
*ENTO
sts
rs
*PERI
LH165-167'
O
9/46d
asu
F7
9/46v
8r
*
8m
cis
8l
8B
asl
45B
24b
24a
*F5
*44
*ProM
*Gu
ls
*OPRO
*OPAI
sts
LH157
P
9/46d
asu
F7
9/46v
ps
8m
F6
8r
24c
8l
8B
cis
45B
asl
46v
46d
24b
*F5
*44
*ProM
*OPRO
los
*Gu
LH145
Q
8B
F7
9/46d
asu
F6
9/46v
ps
8r
24c
cis
24b
45B
46v
46d
*32
*44
asl
*F5
los
*13
12
mos
*ProM
LH137
R
8B
F7
9/46d
F6
9/46v
ps
cis
46d
24c
45A
46v
los
*13
12
mos
LH121
S
46d
9
ps
cis
12
*32
ros
46v
*11
mos
*14
LH81
T
46d
*10
ps
12
*11
*14
LH69-65'

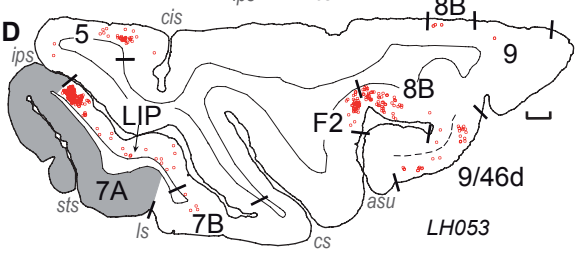


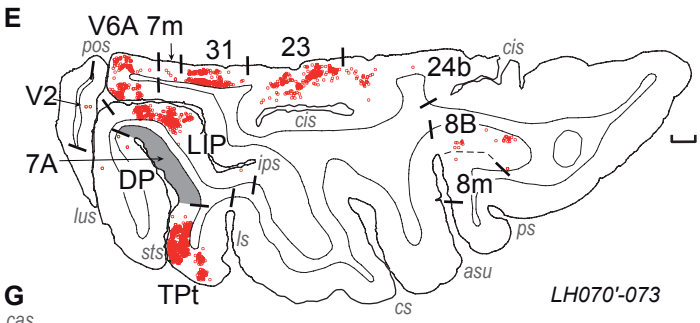
Case 15: BB135LH

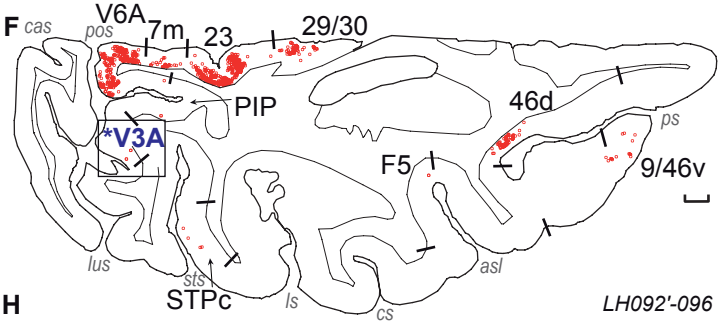


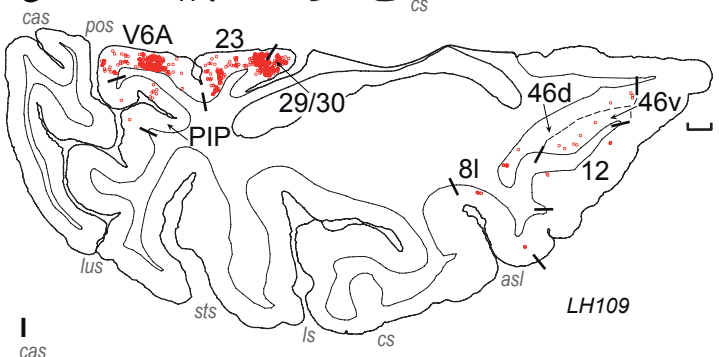


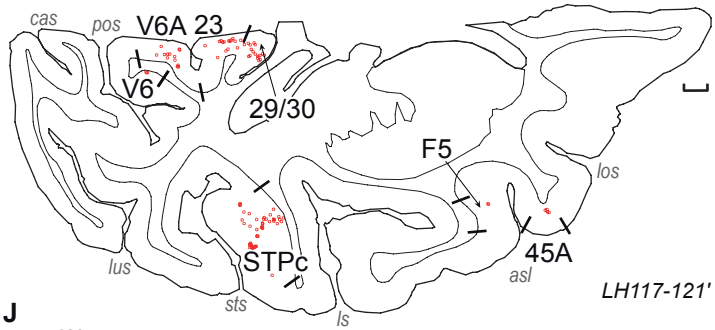


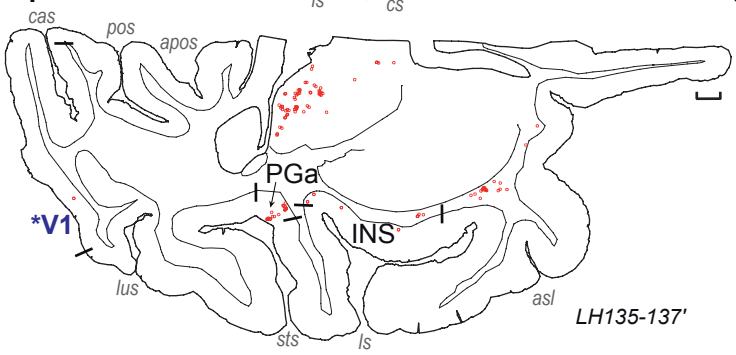


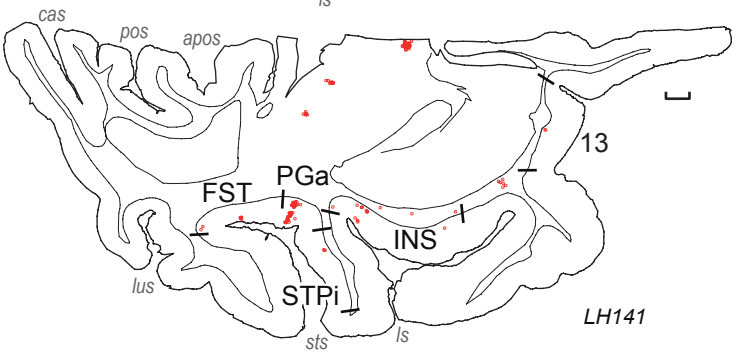


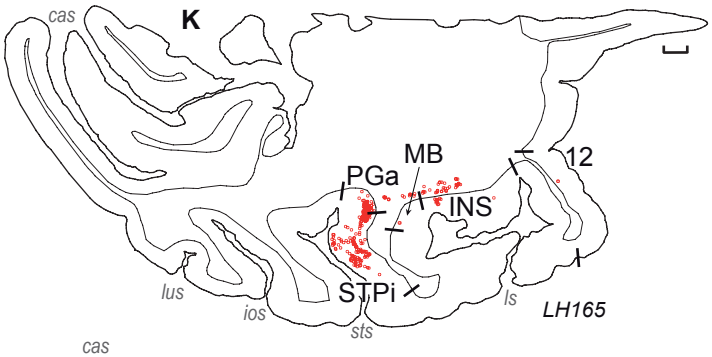


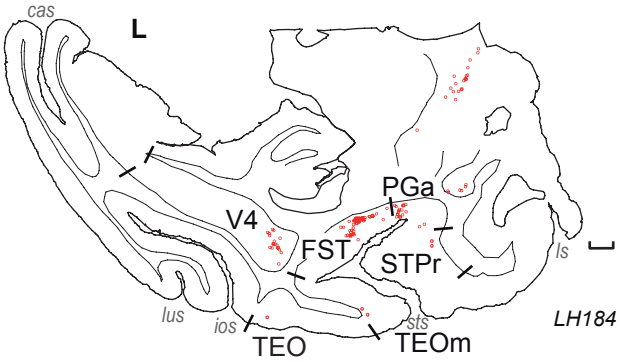


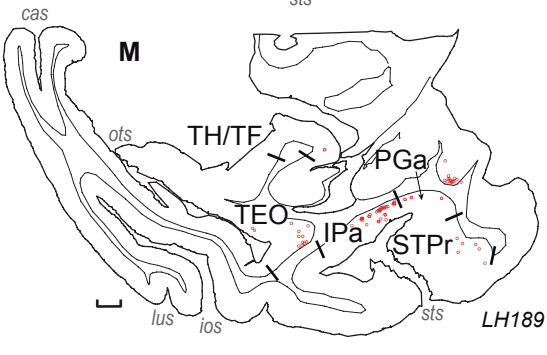


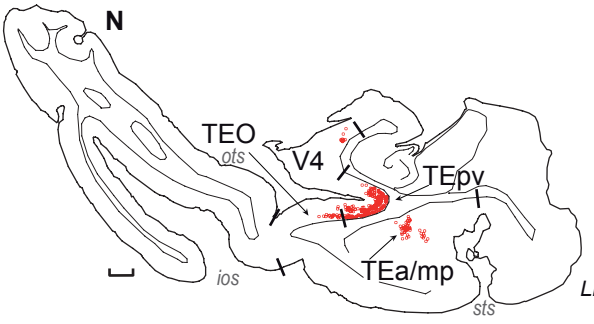


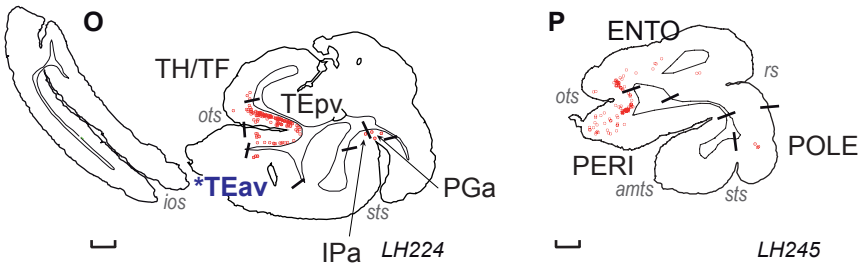


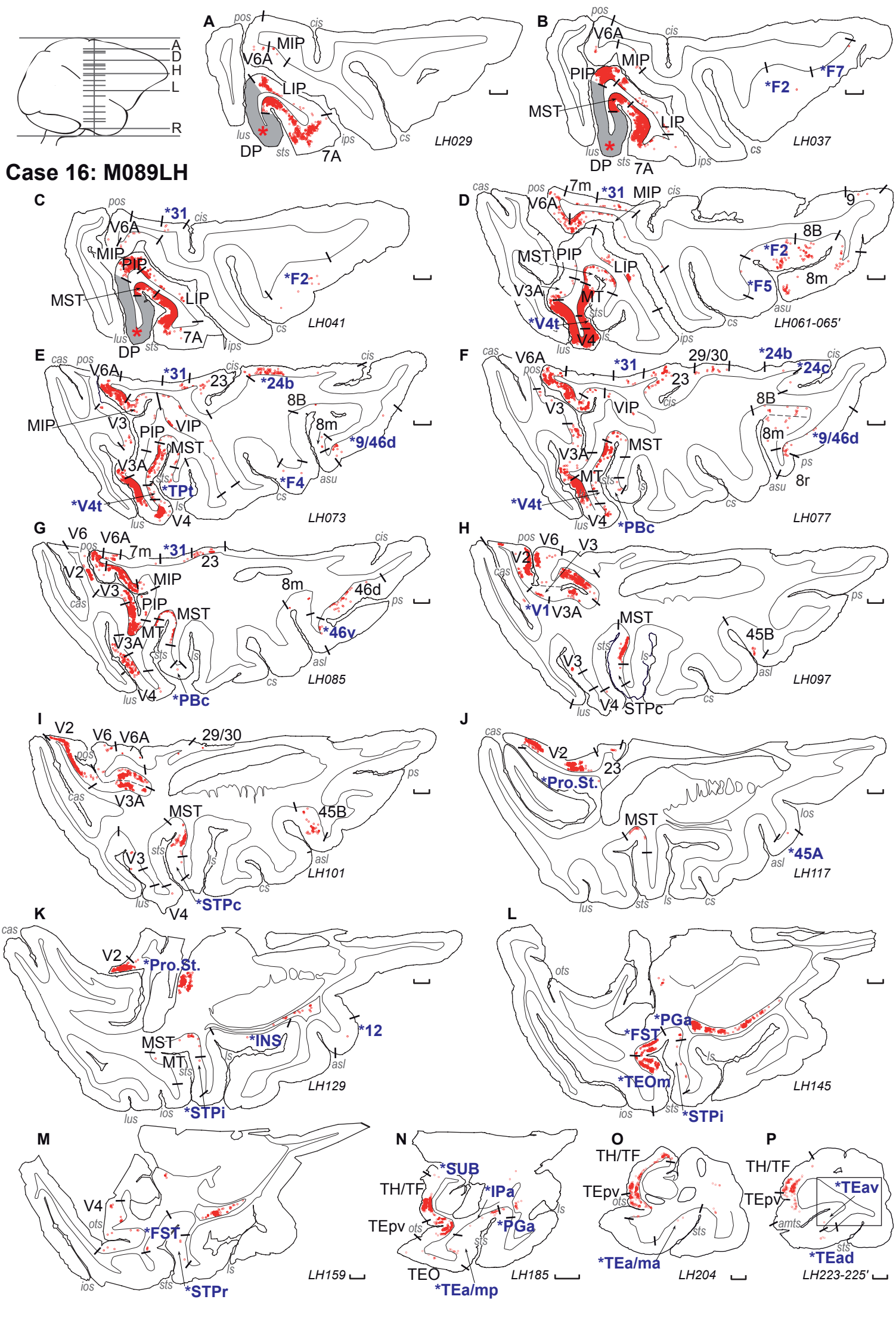




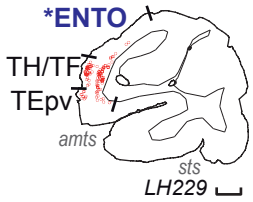




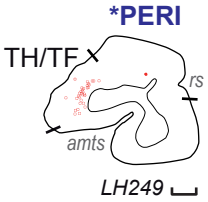

O
TH/TF
TEpv
ots
*TEav
ios
PGa
sts
IPa
LH224
P
ENTO
rs
ots
POLE
PERI
amts
sts
LH245

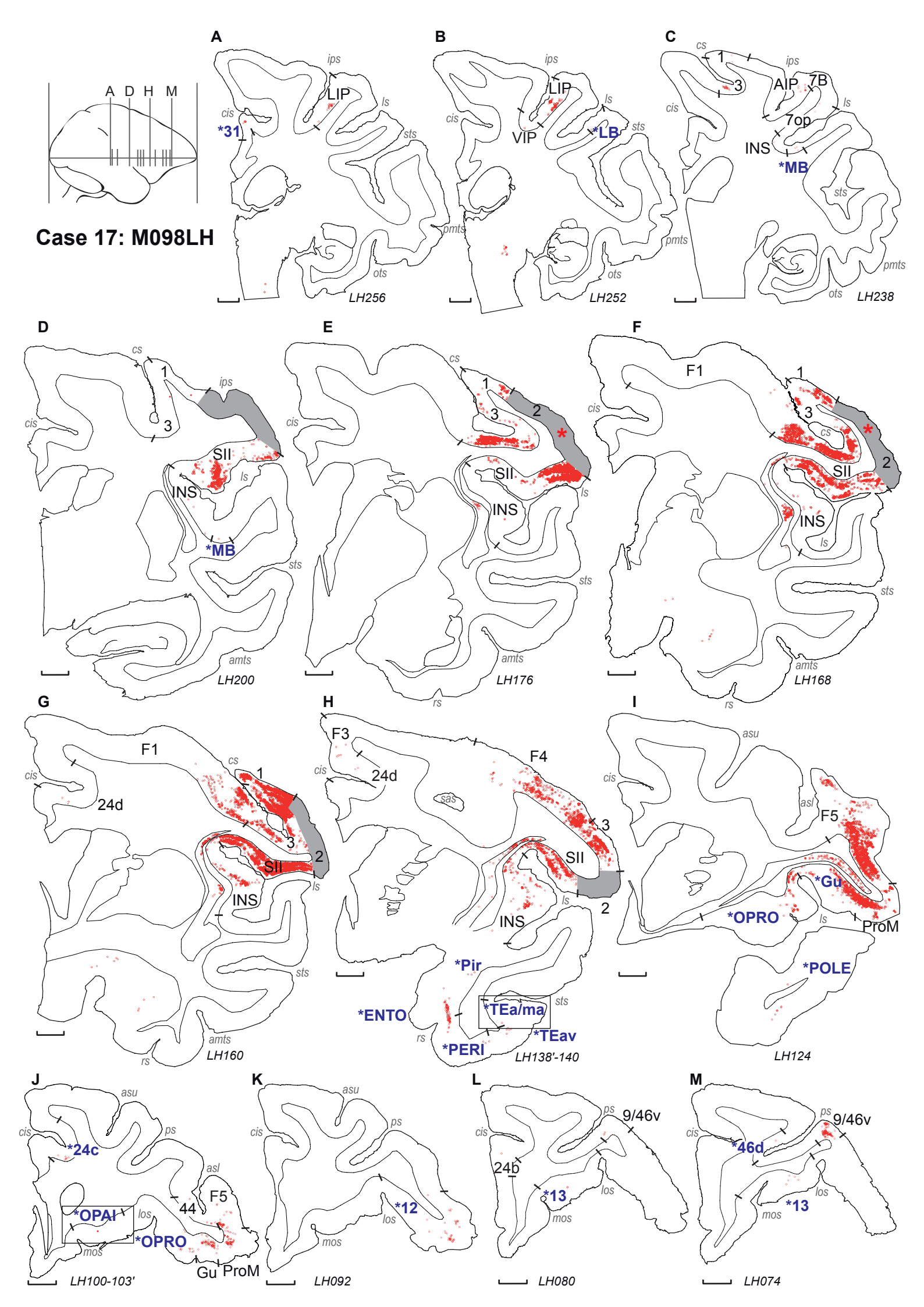

A
D
H
L
R
A
pos
cis
MIP
V6A
LIP
lus
DP
sts
7A
ips
cs
LH029
B
pos
V6A
cis
MIP
PIP
*F7
*F2
MST
LIP
lus
DP
sts
7A
ips
cs
LH037
Case 16: M089LH
C
pos
*31
cis
V6A
MIP
PIP
*F2
MST
LIP
lus
DP
sts
7A
ips
cs
LH041
D
cas
pos
7m
*31
MIP
cis
V6A
9
8B
MST
PIP
LIP
*F2
V3A
MT
*F5
8m
sts
asu
*V4t
V4
ls
lus
ips
cs
LH061-065'
E
cas
pos
V6A
*31
cis
23
*24b
cis
8B
MIP
V3
PIP
VIP
8m
*9/46d
MST
V3A
sts
*TPt
*F4
asu
*V4t
ls
cs
lus
V4
LH073
F
cas
V6A
pos
*31
29/30
*24b
*24c
cis
23
cis
8B
V3
VIP
8m
*9/46d
MST
V3A
MT
sts
ps
8r
asu
*V4t
ls
cs
lus
V4
*PBc
LH077
G
V6
V6A
pos
7m
*31
cis
23
V2
MIP
V3
8m
46d
cas
PIP
MST
ps
MT
*46v
V3A
sts
ls
asl
cs
lus
V4
*PBc
LH085
H
pos
V6
V3
V2
cas
*V1
V3A
MST
ps
45B
sts
ls
V3
asl
lus
V4
STPc
cs
LH097
I
V2
V6
V6A
29/30
pos
ps
cas
V3A
MST
45B
sts
ls
asl
V3
cs
lus
V4
*STPc
LH101
J
cas
V2
23
*Pro.St.
MST
los
*45A
asl
lus
sts
ls
cs
LH117
K
cas
V2
*Pro.St.
*12
MST
*INS
MT
ls
sts
asl
lus
ios
*STPi
LH129
L
ots
*PGa
*FST
ls
*TEOm
ios
sts
*STPi
LH145
M
V4
ots
*FST
ls
ios
sts
*STPr
LH159
N
*SUB
TH/TF
*IPa
ls
TEpv
ots
*PGa
sts
TEO
*TEa/mp
LH185
O
TH/TF
TEpv
ots
sts
*TEa/ma
LH204
P
TH/TF
TEpv
*TEav
amts
sts
*TEad
LH223-225'

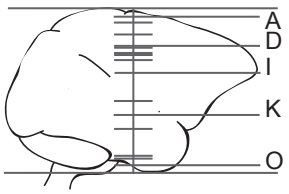
Q



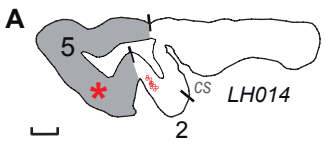
R

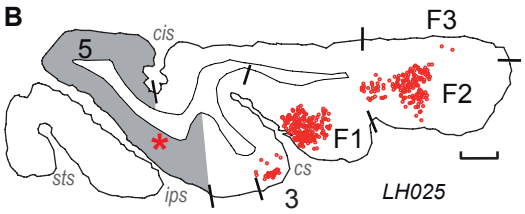


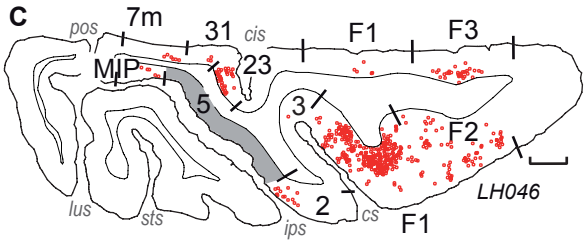

A D H M
Case 17: M098LH
A
B
C
ips
LIP
ls
cis
*31
sts
pmts
ots
LH256
VIP
*LB
LH252
cs
1
3
AIP
7B
7op
INS
*MB
LH238
D
E
F
SII
amts
LH200
2
*
LH176
F1
LH168
rs
G
H
I
24d
F3
F4
sas
*Pir
*ENTO
*PERI
*TEa/ma
*TEav
LH160
LH138'-140
asu
asl
F5
*Gu
*OPRO
ProM
*POLE
LH124
J
K
L
M
*24c
*OPAI
44
Gu
LH100-103'
*12
LH092
24b
9/46v
*13
LH080
*46d
LH074

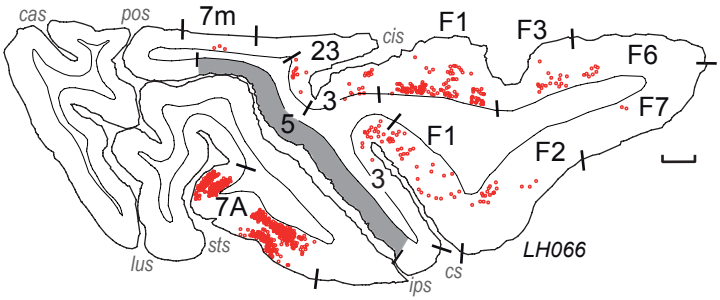


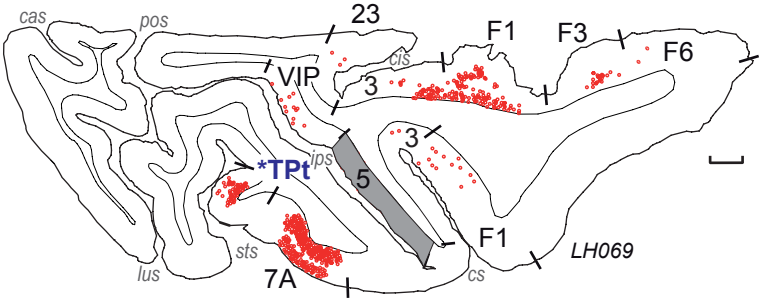
Case 18: M070LH

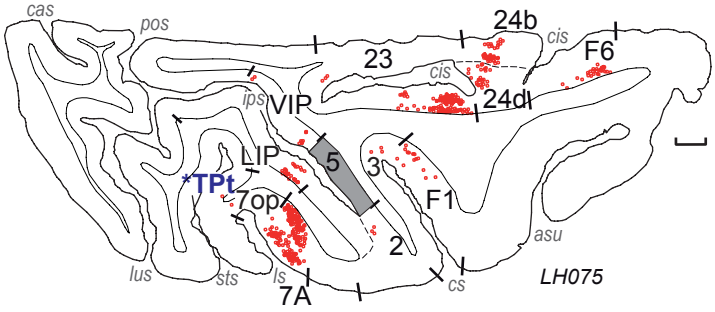


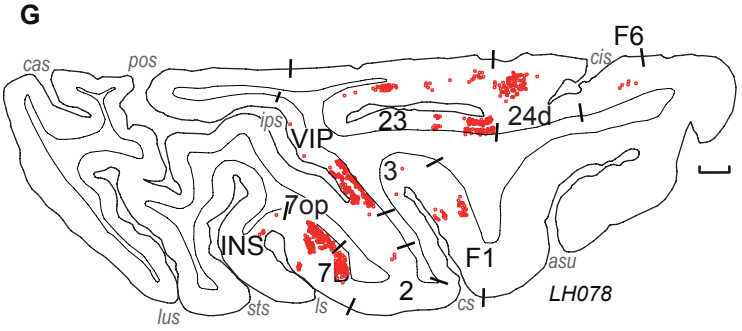


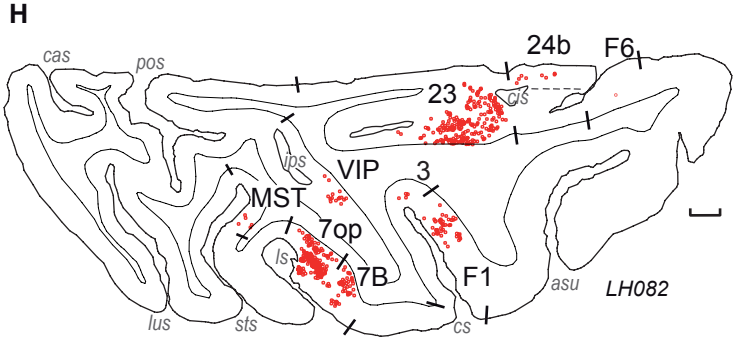


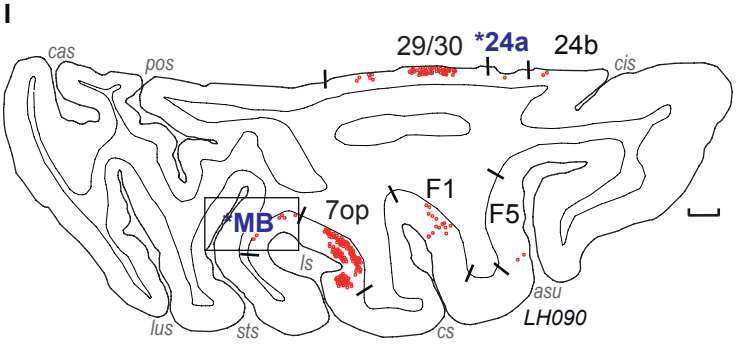


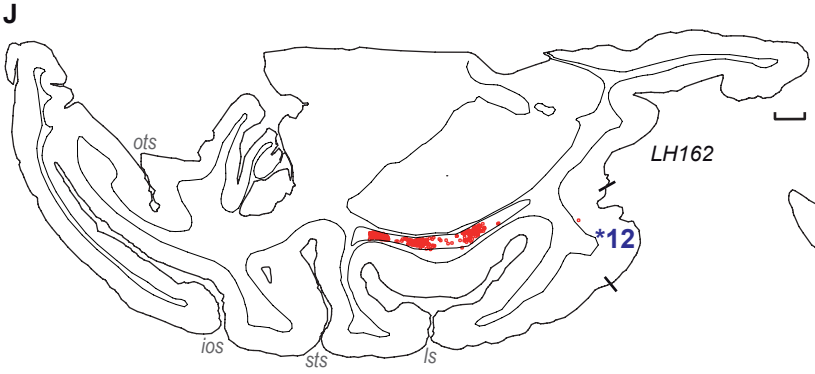


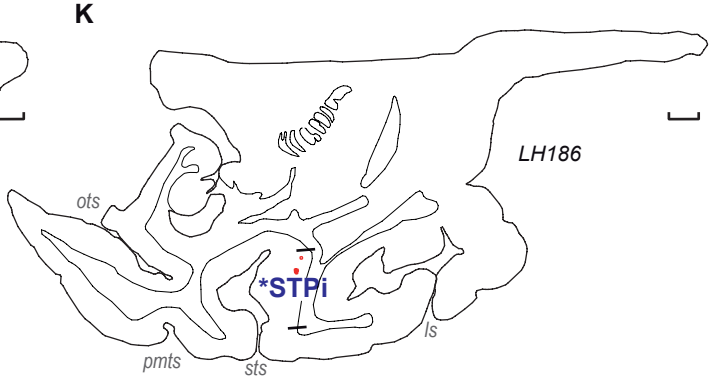


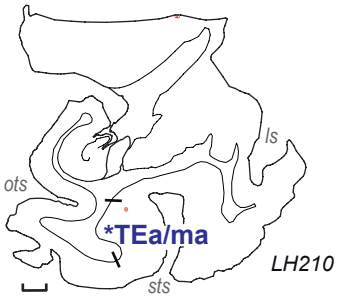


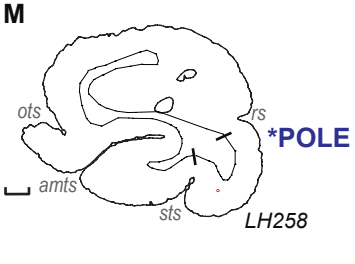


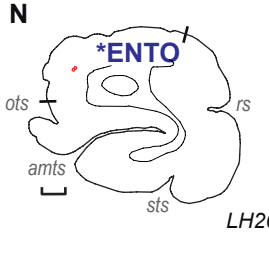


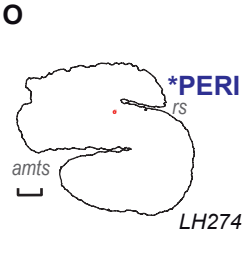


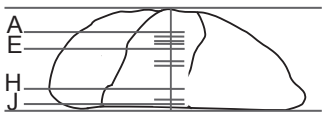




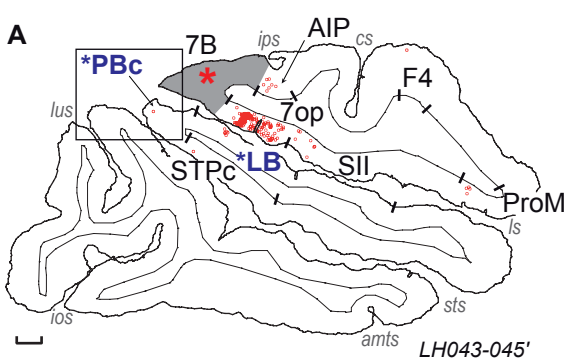


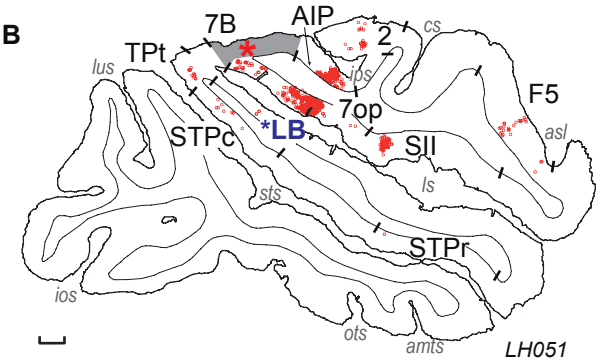


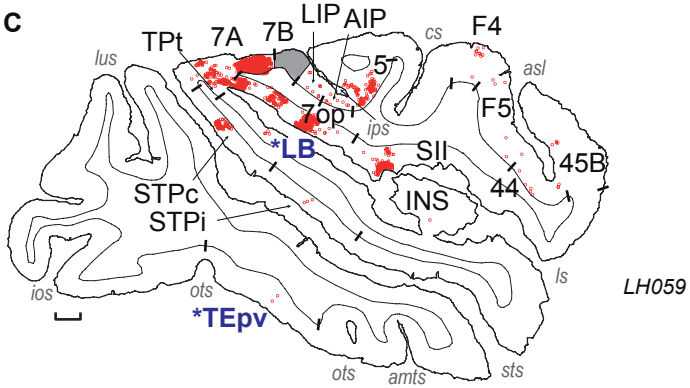


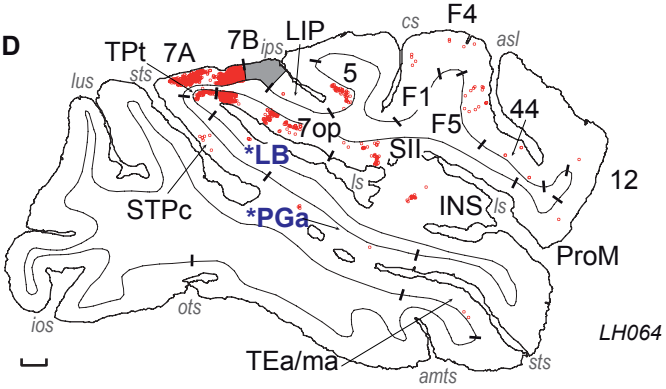


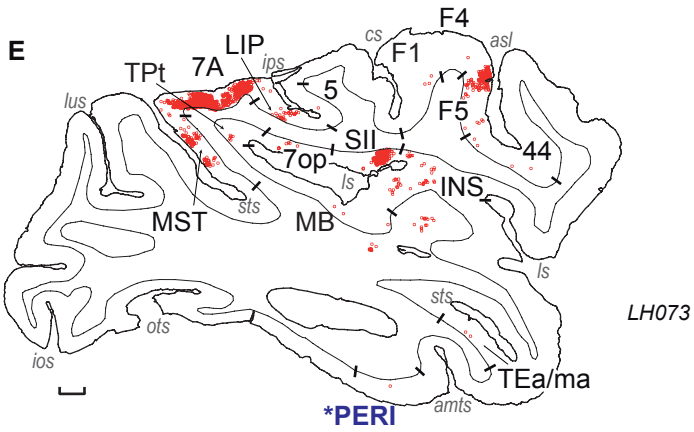
Case 19: M068LH

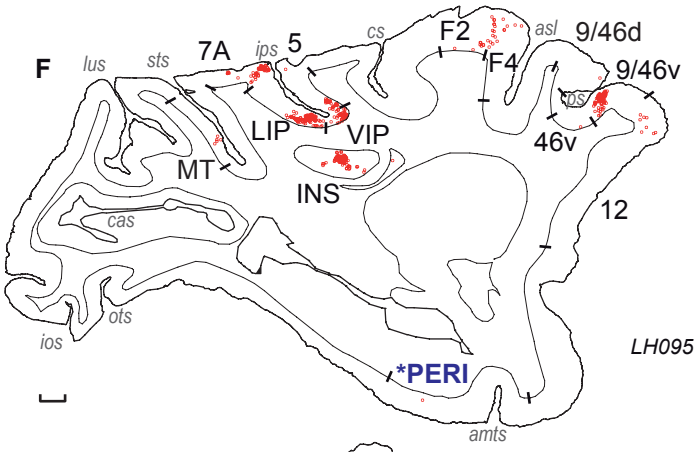


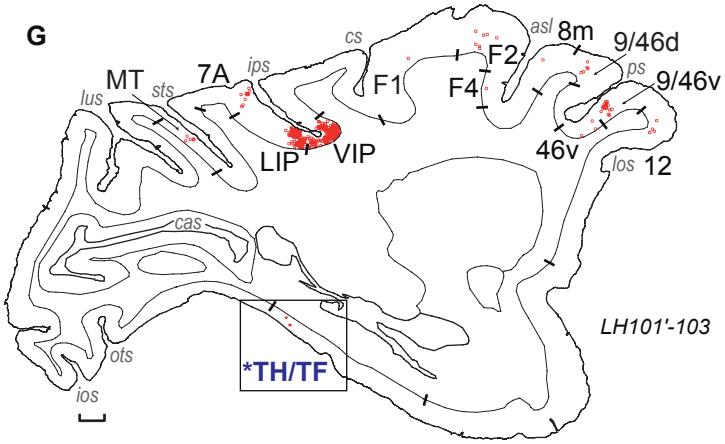


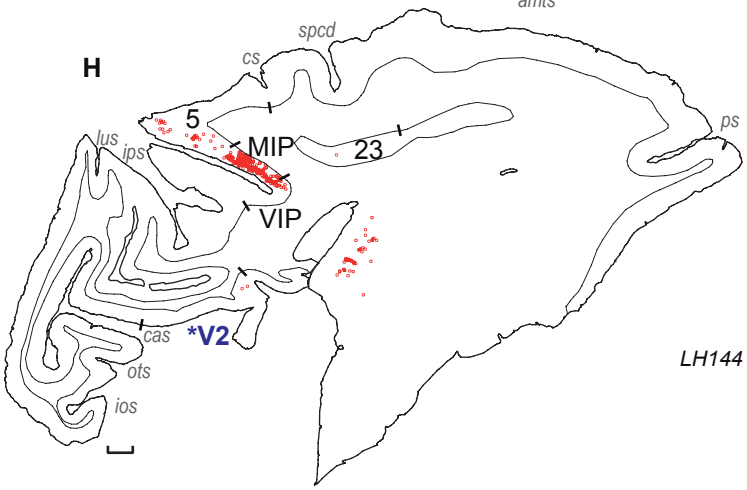


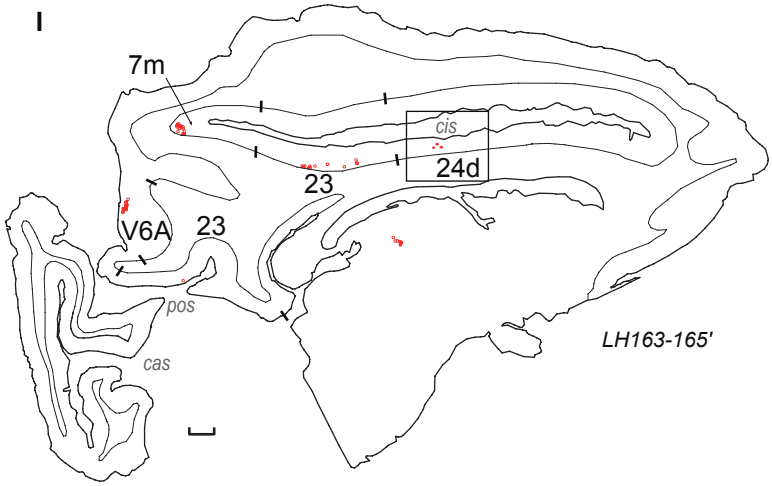


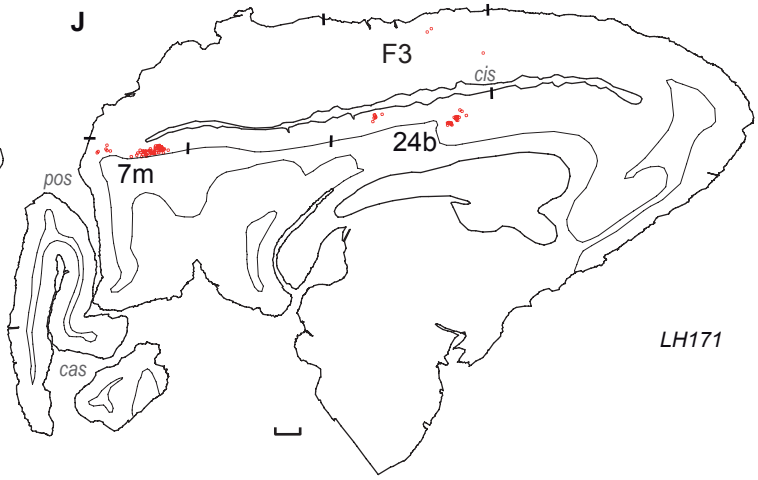


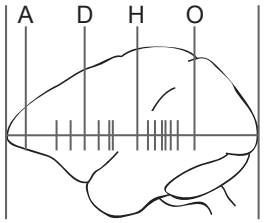




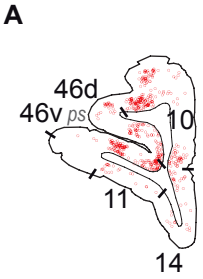




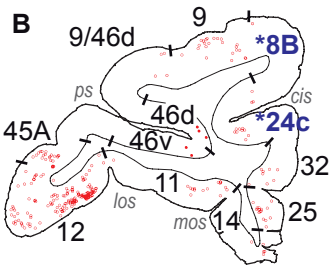




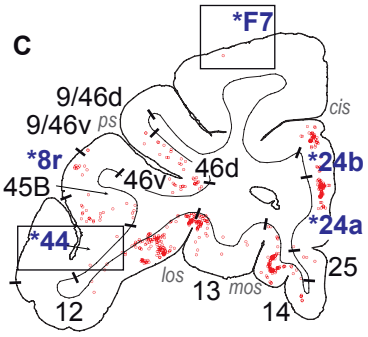
Case 20: BB289LH



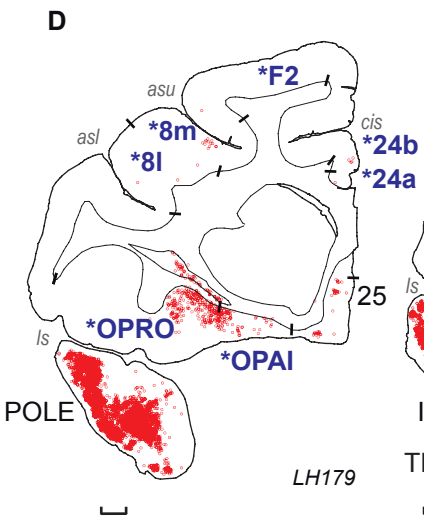
LH045



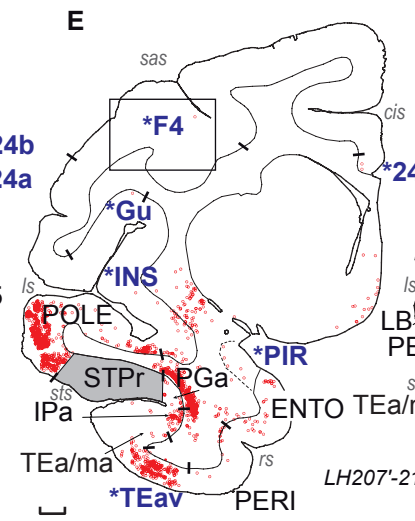
LH115



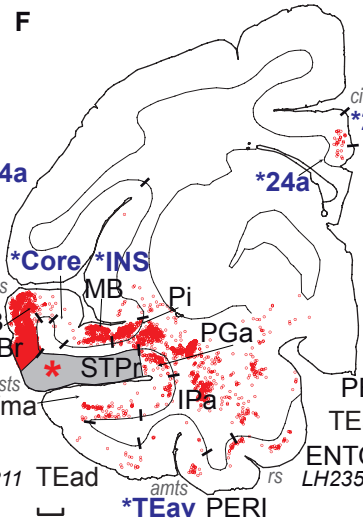
LH147-151'



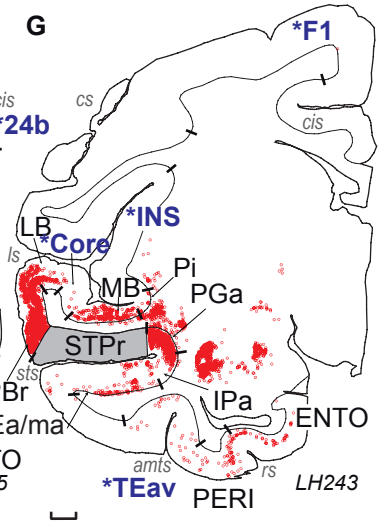
LH179



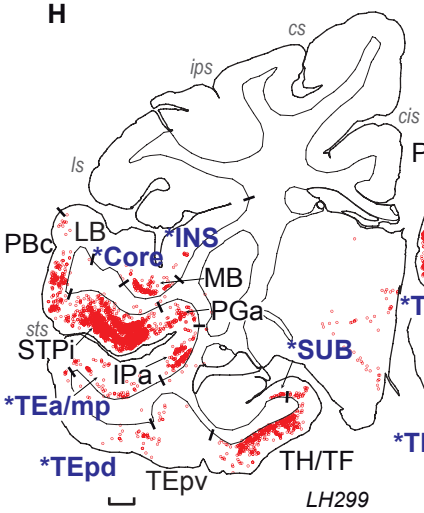
LH207'-211



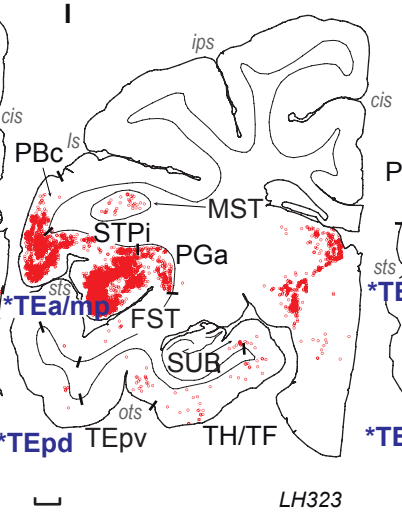
LH235



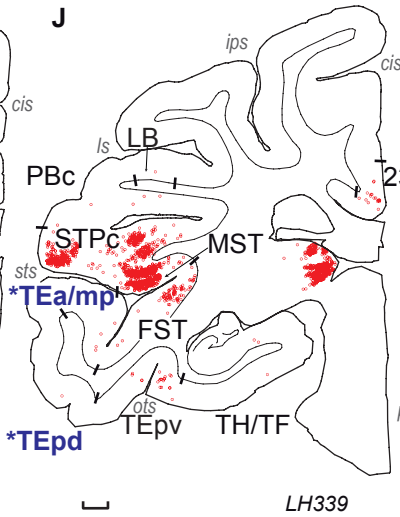
LH243



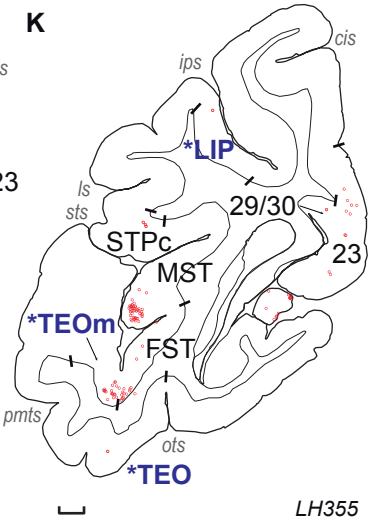
LH299



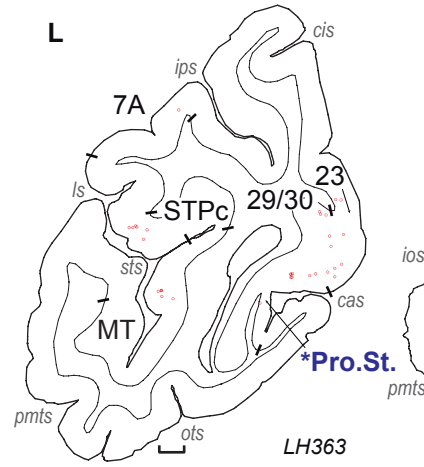
LH323



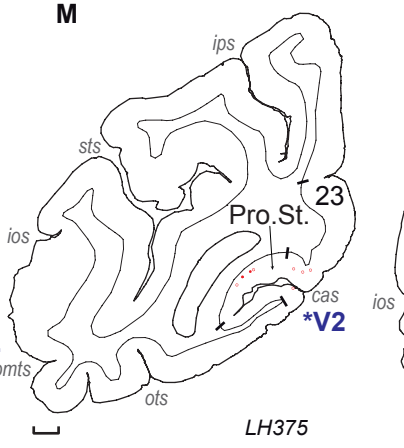
LH339



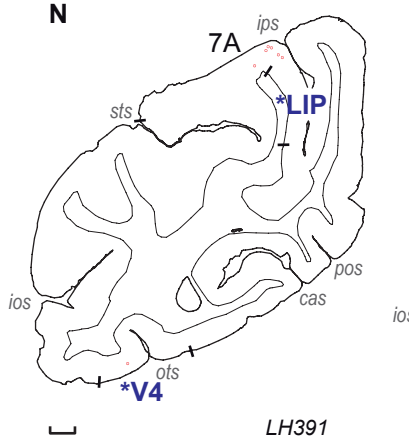
LH355



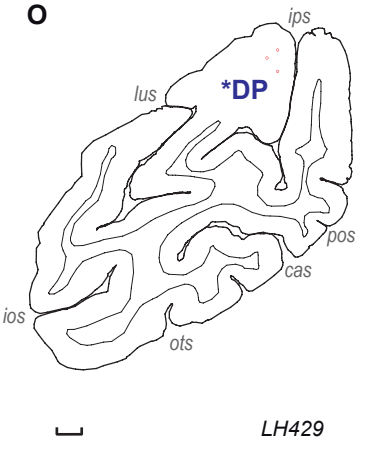
LH363



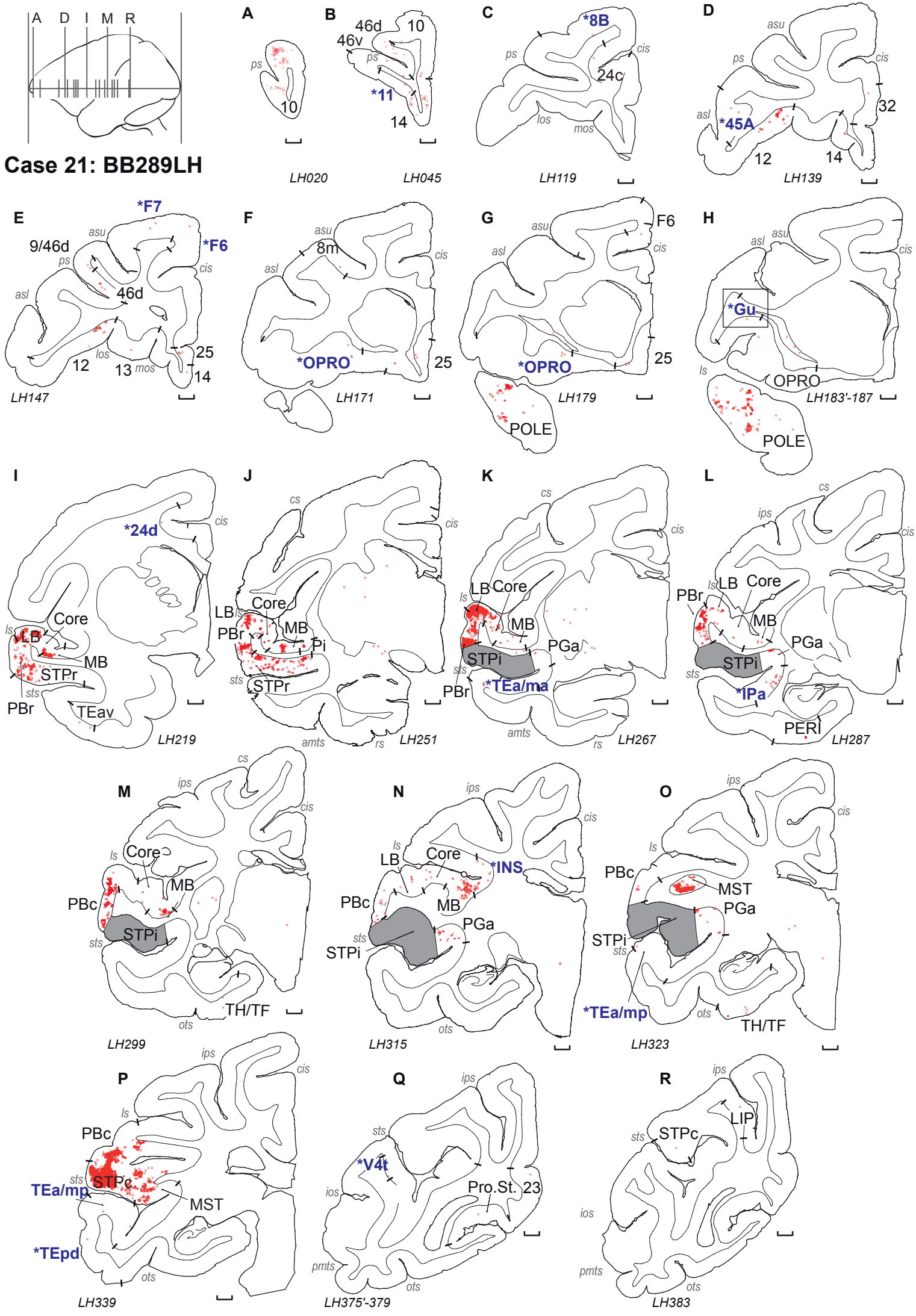
LH375

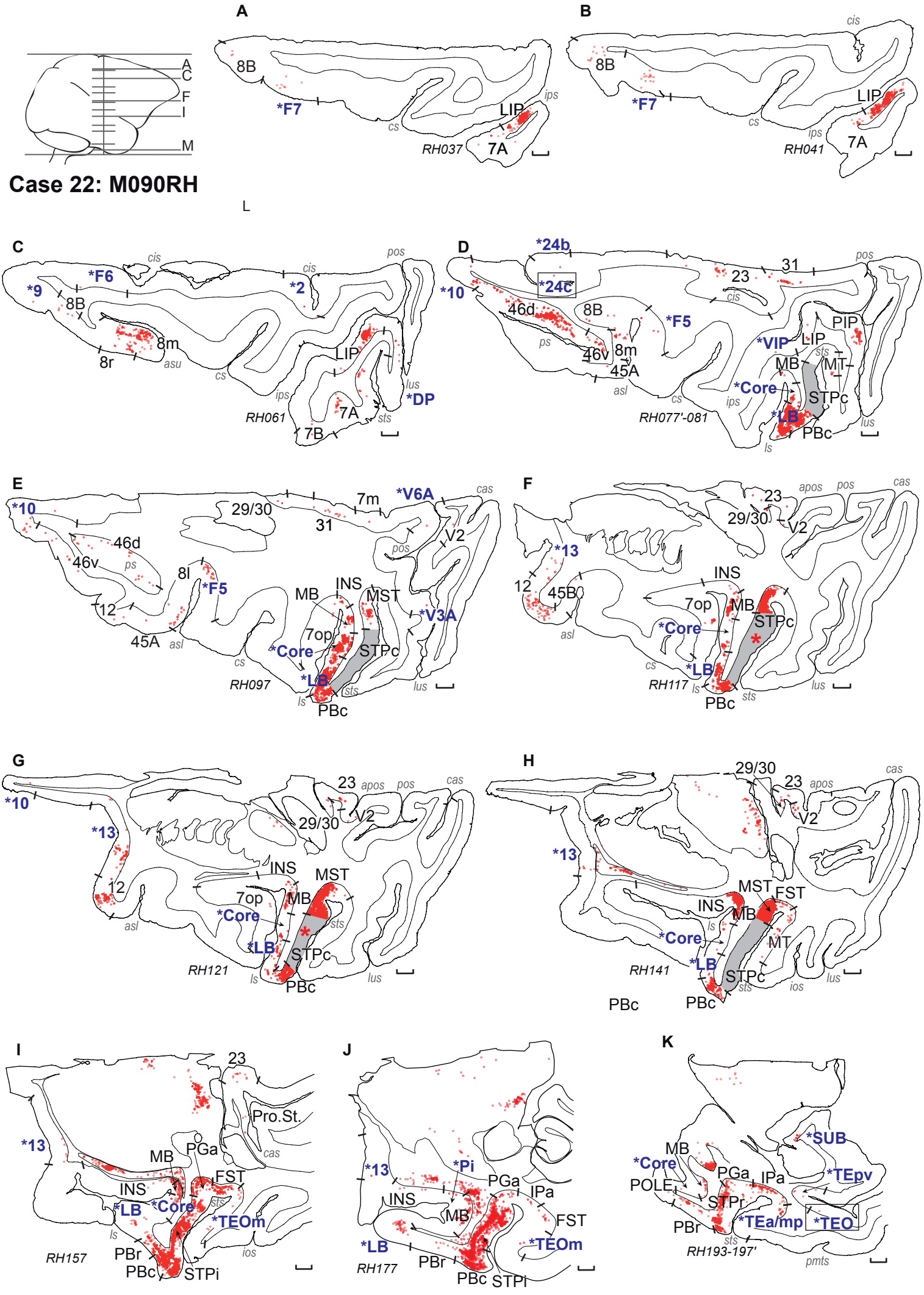


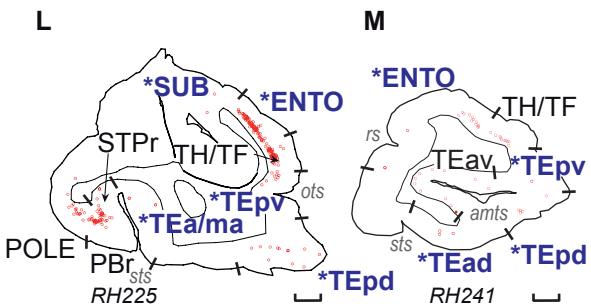
LH391

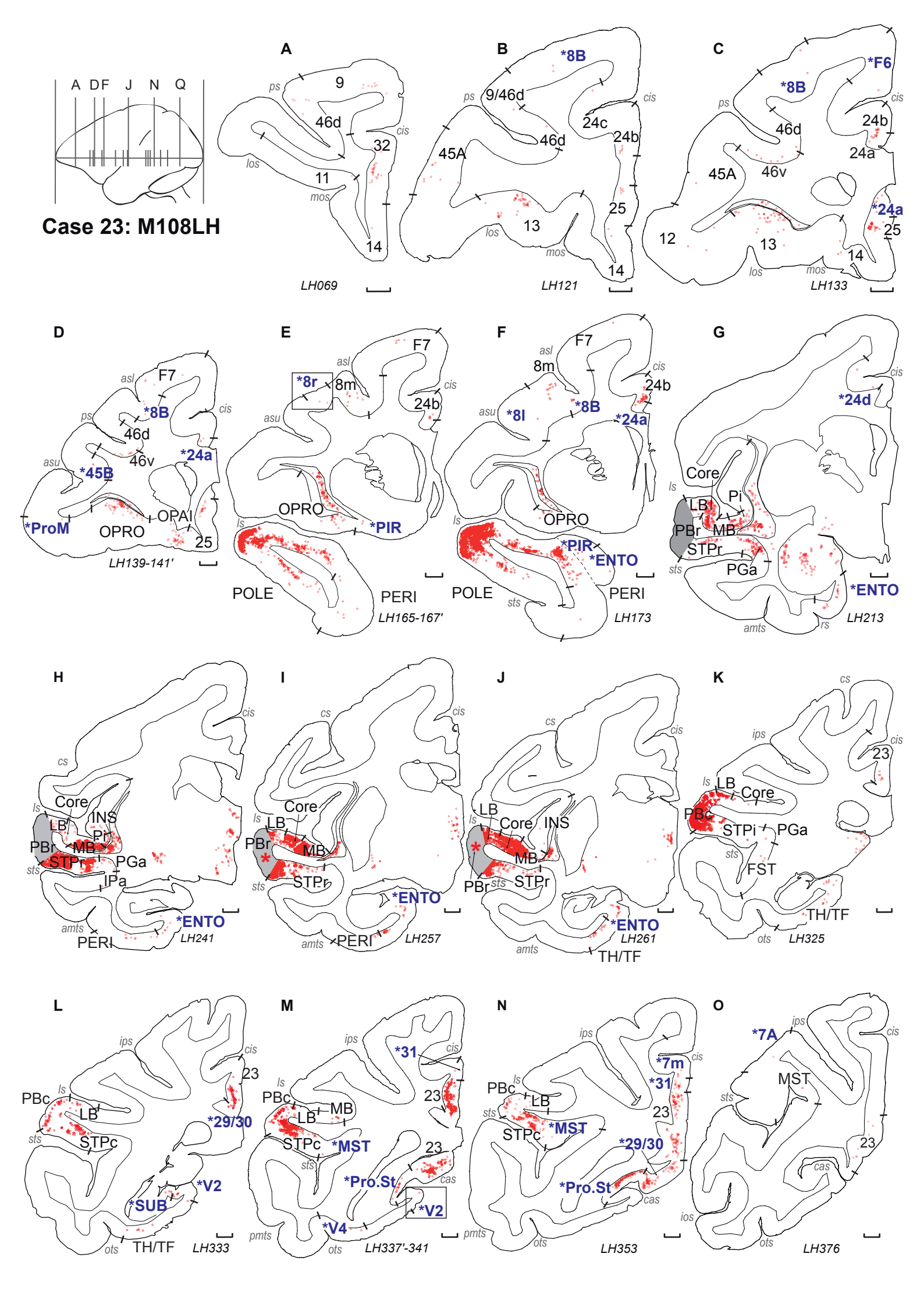


LH429

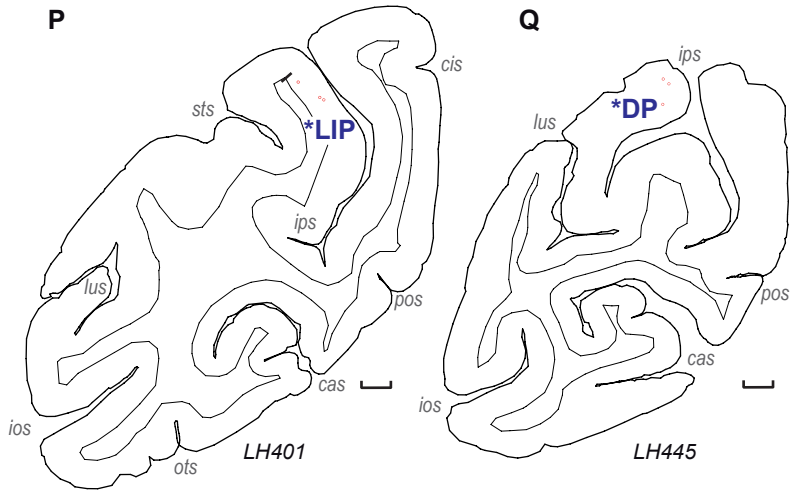

A D I M R
Case 21: BB289LH
A
B
C
D
ps
10
LH020
46d
46v
10
*11
14
LH045
*8B
24c
cis
los
mos
LH119
asu
32
*45A
asl
12
14
LH139
E
*F7
*F6
9/46d
46d
25
13
14
LH147
F
8m
*OPRO
LH171
G
F6
25
LH179
H
*Gu
OPRO
POLE
LH183'-187
I
*24d
Core
LB
MB
STPr
PBr
TEav
LH219
J
cs
Pi
amts
rs
LH251
K
*TEa/ma
LH267
L
ips
PGa
*IPa
PERI
LH287
M
PBc
STPi
TH/TF
ots
LH299
N
*INS
LH315
O
MST
*TEa/mp
LH323
P
*TEpd
LH339
Q
*V4t
Pro.St.
pmts
LH375'-379
R
LIP
STPc
LH383


A
B
A
C
F
I
M
8B
*F7
LIP
cs
ips
RH037
7A
cis
8B
*F7
LIP
cs
ips
RH041
7A
Case 22: M090RH
L
C
cis
pos
*F6
cis
*9
*2
8B
8m
8r
asu
cs
LIP
ips
lus
*DP
RH061
7A
sts
7B
D
*24b
*24c
*10
46d
8B
*F5
ps
46v
8m
45A
asl
cs
23
31
pos
cis
PIP
*VIP
LIP
sts
MB
MT
*Core
ips
STPc
*LB
RH077'-081
PBc
lus
ls
E
*10
29/30
7m
*V6A
cas
31
V2
pos
46d
46v
ps
8l
*F5
12
45A
asl
MB
INS
MST
*V3A
7op
*Core
STPc
cs
RH097
*LB
sts
ls
lus
PBc
F
apos
pos
cas
23
29/30
V2
*13
12
45B
INS
7op
MB
STPc
*Core
asl
cs
*LB
RH117
ls
sts
lus
PBc
G
*10
23
apos
pos
cas
*13
29/30
V2
INS
MST
12
7op
MB
*Core
asl
sts
*LB
STPc
RH121
ls
lus
PBc
H
29/30
23
apos
cas
V2
*13
MST
FST
INS
MB
ls
*Core
MT
*LB
STPc
RH141
sts
ios
lus
PBc
PBc
I
23
Pro.St.
*13
MB
PGa
cas
FST
INS
*LB
*Core
sts
*TEOm
ls
RH157
PBr
PBc
STPi
ios
J
*13
*Pi
PGa
IPa
INS
MB
FST
*LB
*TEOm
RH177
PBr
PBc
STPi
K
*SUB
MB
*Core
PGa
IPa
*TEpv
POLE
STPr
*TEa/mp
*TEO
PBr
sts
RH193-197'
pmts


L
M
*SUB
*ENTO
STPr
TH/TF
*TEpv
ots
*TEa/ma
POLE
PBr
sts
*TEpd
RH225
*ENTO
TH/TF
rs
TEav
*TEpv
amts
sts
*TEad
*TEpd
RH241



A DF J N Q
Case 23: M108LH
A
9
46d
32
11
14
ps
cis
los
mos
LH069
B
*8B
9/46d
24c
24b
46d
45A
13
25
14
ps
cis
los
mos
LH121
C
*F6
*8B
46d
24b
24a
45A
46v
*24a
25
12
13
14
ps
cis
los
mos
LH133
D
F7
*8B
46d
46v
*24a
*45B
*ProM
OPRO
OPAI
25
asl
ps
cis
asu
LH139-141'
E
F7
*8r
8m
24b
OPRO
*PIR
POLE
PERI
asl
cis
asu
ls
LH165-167'
F
F7
8m
24b
*8l
*8B
*24a
OPRO
*PIR
*ENTO
POLE
PERI
asl
cis
asu
ls
sts
LH173
G
*24d
Core
Pi
LB
PBr
MB
STPr
PGa
*ENTO
cis
ls
sts
amts
rs
LH213
H
Core
INS
LB
Pi
PBr
MB
STPr
PGa
IPa
*ENTO
PERI
cis
cs
ls
sts
amts
LH241
I
Core
LB
PBr
MB
STPr
*ENTO
PERI
cs
cis
ls
sts
amts
LH257
J
LB
Core
INS
MB
PBr
STPr
*ENTO
TH/TF
cs
cis
ls
sts
amts
LH261
K
23
LB
Core
PBc
STPi
PGa
FST
TH/TF
cs
ips
cis
ls
sts
ots
LH325
L
23
*29/30
PBc
LB
STPc
*V2
*SUB
TH/TF
ips
cis
ls
sts
ots
LH333
M
*31
23
PBc
MB
LB
STPc
*MST
23
*Pro.St
*V2
*V4
ips
cis
ls
sts
cas
pmts
ots
LH337'-341
N
*7m
*31
23
PBc
LB
STPc
*MST
*29/30
*Pro.St
ips
cis
ls
sts
cas
pmts
ots
LH353
O
*7A
MST
23
ips
cis
sts
cas
ios
ots
LH376


P
sts
*LIP
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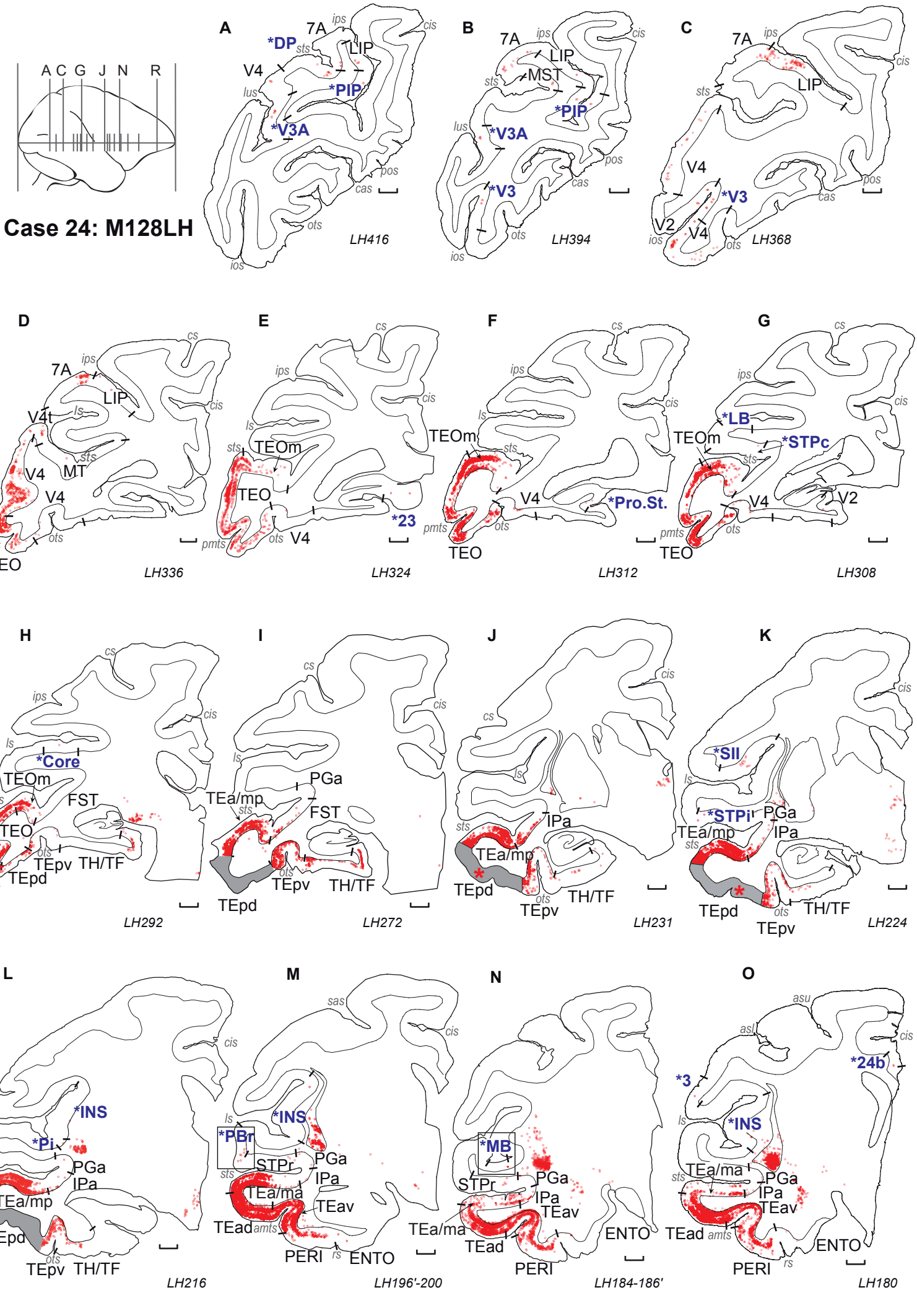
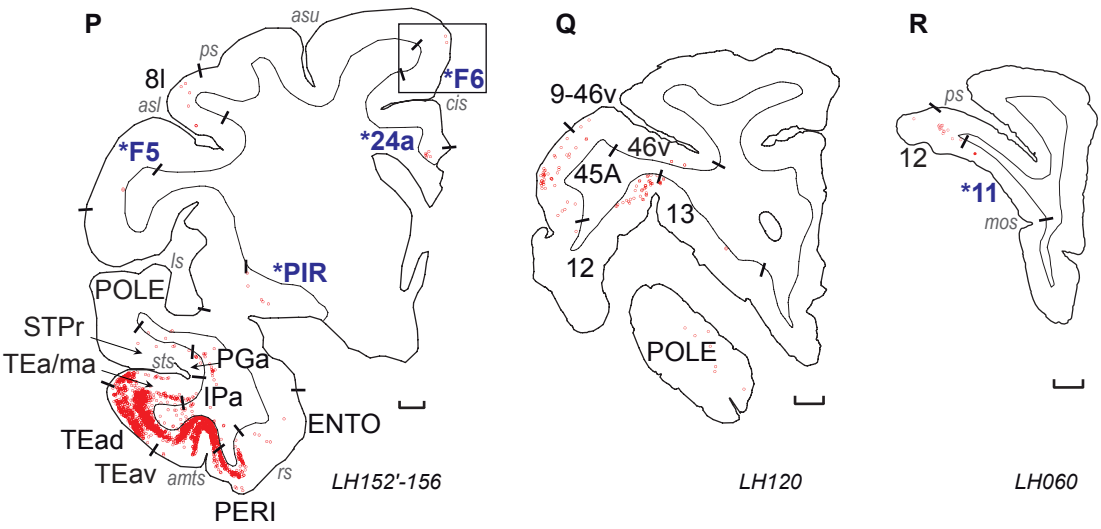
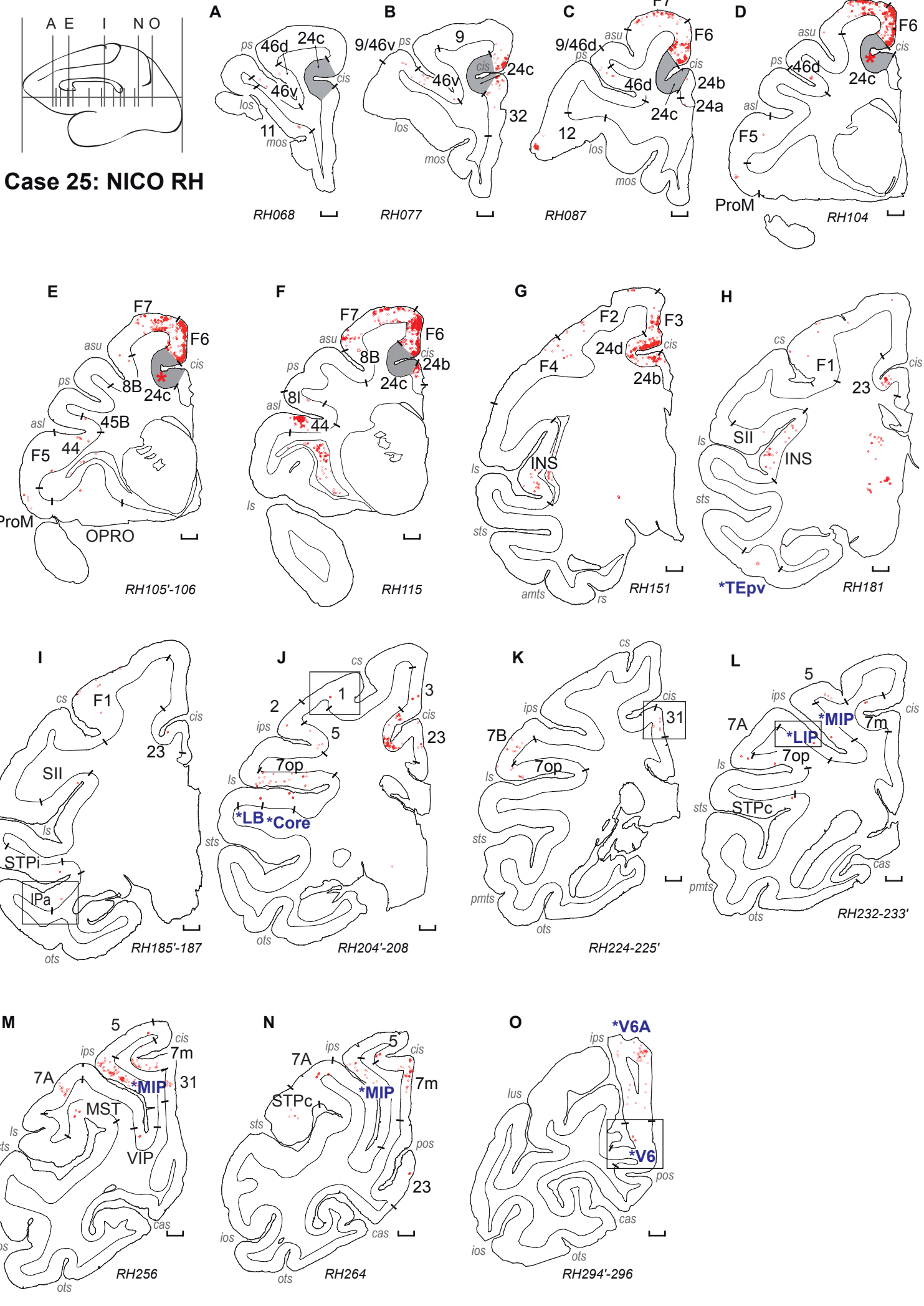
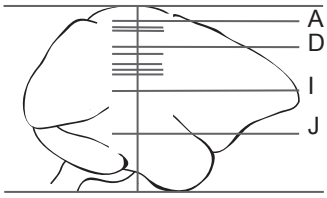
ips
lus
pos
cas
ios
ots
LH401
Q
ips
lus
*DP
pos
cas
ios
LH445


A C G J N R
Case 24: M128LH
A
7A
ips
cis
*DP
sts
LIP
V4
*PIP
lus
*V3A
pos
cas
ots
ios
LH416
B
7A
ips
cis
LIP
MST
sts
*PIP
lus
*V3A
pos
cas
*V3
ots
ios
LH394
C
7A
ips
cis
sts
LIP
V4
pos
*V3
cas
V2
V4
ios
ots
LH368
D
cs
7A
ips
LIP
cis
V4t
ls
sts
MT
V4
V4
pmts
ots
TEO
LH336
E
cs
ips
cis
ls
sts
TEOm
TEO
*23
pmts
ots
V4
LH324
F
cs
ips
cis
ls
TEOm
sts
V4
*Pro.St.
pmts
ots
TEO
LH312
G
cs
ips
cis
*LB
TEOm
*STPc
sts
V4
V2
pmts
ots
TEO
LH308
H
cs
ips
cis
ls
*Core
TEOm
sts
FST
TEO
ots
TEpv
TH/TF
pmts
TEpd
LH292
I
cs
cis
ls
PGa
TEa/mp
FST
sts
ots
TEpv
TH/TF
TEpd
LH272
J
cis
cs
ls
IPa
sts
TEa/mp
TEpd
ots
TH/TF
TEpv
LH231
K
cis
*SII
ls
*STPi
PGa
TEa/mp
IPa
sts
TEpd
ots
TH/TF
TEpv
LH224
L
cis
ls
*INS
*Pi
sts
PGa
IPa
TEa/mp
TEpd
ots
TEpv
TH/TF
LH216
M
sas
cis
ls
*INS
*PBr
STPr
PGa
sts
IPa
TEa/ma
TEav
TEad
amts
PERI
rs
ENTO
TEa/ma
LH196'-200
N
cis
*MB
STPr
PGa
IPa
TEav
TEad
ENTO
PERI
LH184-186'
O
asu
asl
cis
*3
*24b
ls
*INS
sts
TEa/ma
PGa
IPa
TEav
TEad
amts
ENTO
PERI
rs
LH180

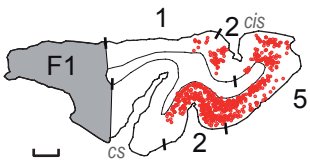

P
asu
ps
8l
asl
*F6
cis
*F5
*24a
ls
*PIR
POLE
STPr
TEa/ma
sts
PGa
IPa
ENTO
TEad
TEav
amts
rs
PERI
LH152'-156
Q
9-46v
46v
45A
13
12
POLE
LH120
R
ps
12
*11
mos
LH060


A E I N O
Case 25: NICO RH
A
ps
46d
24c
cis
46v
los
11
mos
RH068
B
9/46v
ps
9
cis
24c
46v
32
los
mos
RH077
C
F7
9/46d
asu
F6
ps
cis
46d
24b
24c
24a
12
los
mos
RH087
D
F7
asu
F6
cis
ps
46d
24c
asl
F5
ProM
RH104
E
F7
asu
F6
cis
ps
8B
24c
asl
45B
44
F5
ProM
OPRO
RH105'-106
F
F7
asu
F6
cis
8B
24b
ps
24c
asl
8l
44
ls
RH115
G
F2
F3
24d
cis
F4
24b
ls
INS
sts
amts
rs
RH151
H
cs
F1
cis
23
ls
SII
INS
sts
*TEpv
RH181
I
cs
F1
cis
23
SII
ls
STPi
sts
lPa
ots
RH185'-187
J
cs
1
3
2
cis
ips
5
23
7op
ls
*LB
*Core
sts
ots
RH204'-208
K
cs
cis
ips
31
7B
7op
ls
sts
pmts
ots
RH224-225'
L
5
ips
cis
7A
*MIP
7m
*LIP
7op
ls
STPc
sts
cas
pmts
ots
RH232-233'
M
5
cis
ips
7m
7A
*MIP
31
MST
ls
sts
VIP
cas
ios
ots
RH256
N
ips
5
cis
7A
STPc
*MIP
7m
sts
pos
23
cas
ios
ots
RH264
O
*V6A
ips
lus
*V6
pos
cas
ios
ots
RH294'-296



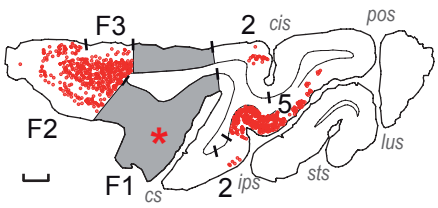
Case 26: M069LH

A



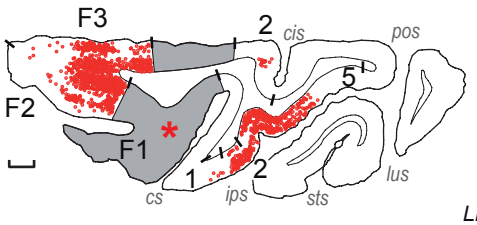
LH023

B



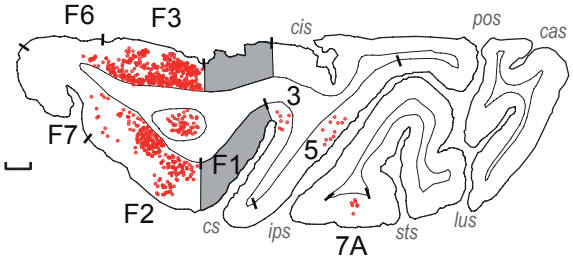
LH035

C



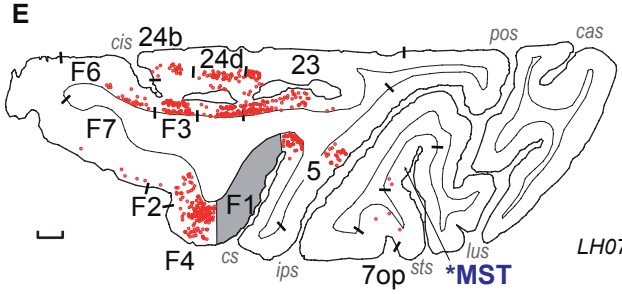
LH039

D



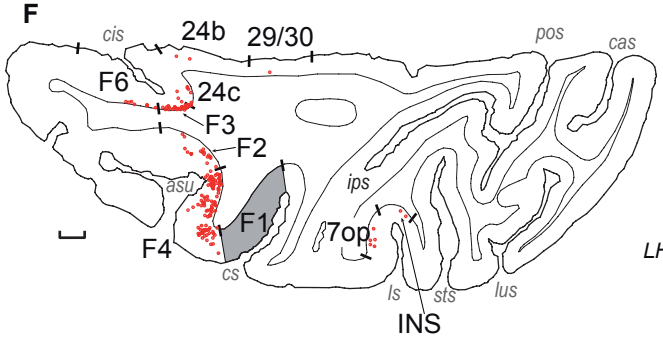
LH067

E



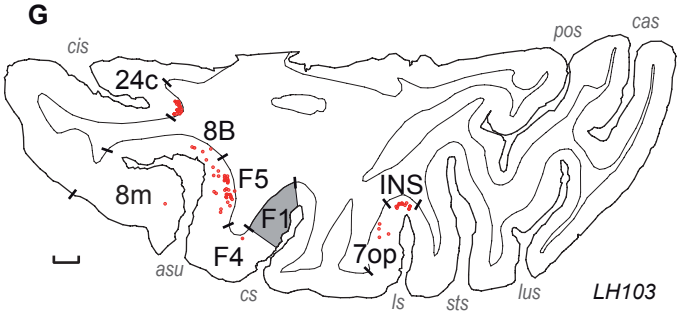
LH079

F



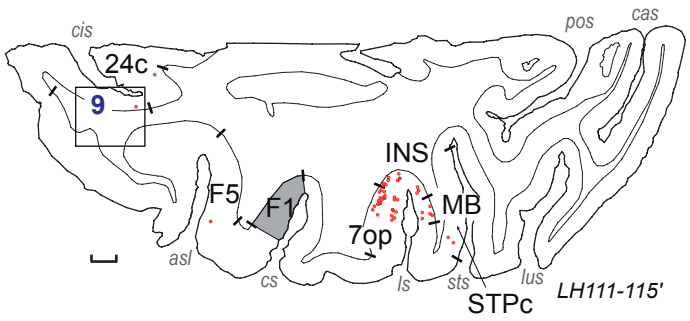
LH095

G



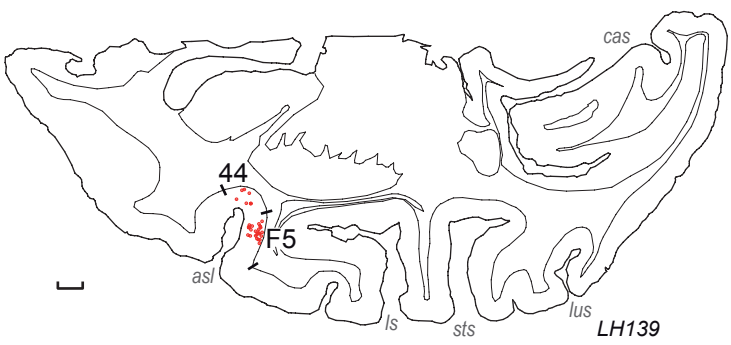
LH103

H



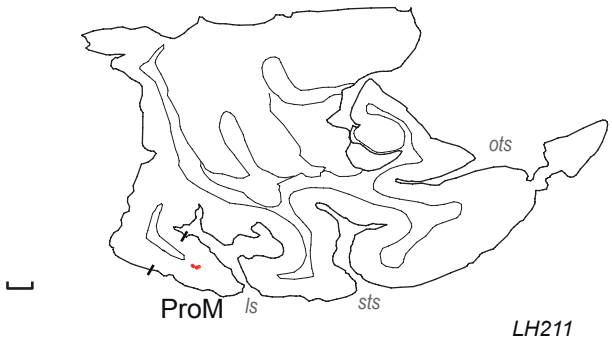
LH111-115'

I

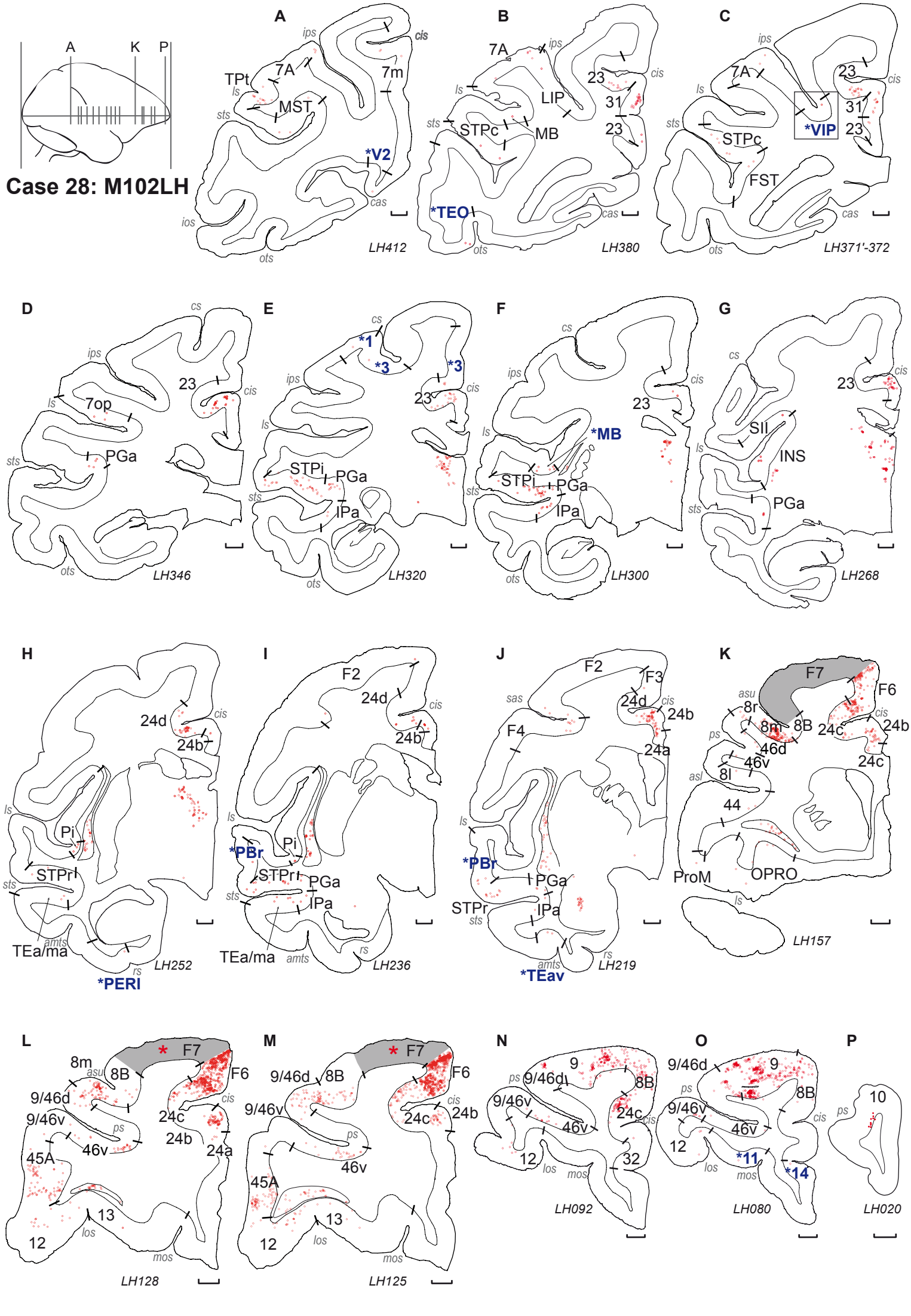


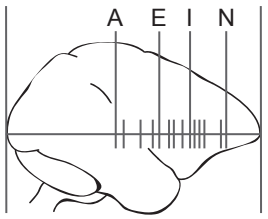
LH139

J

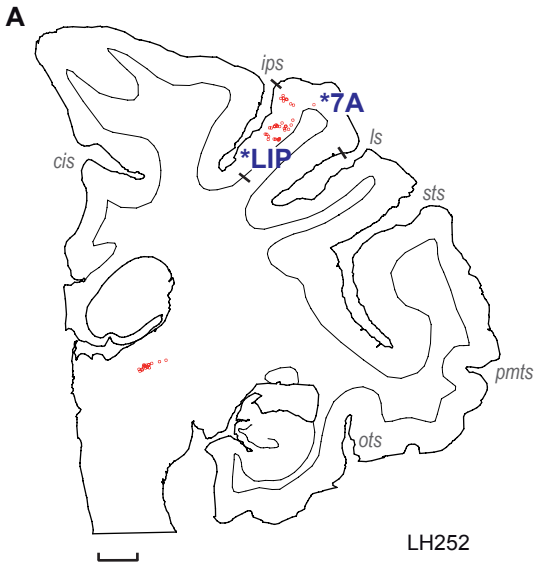


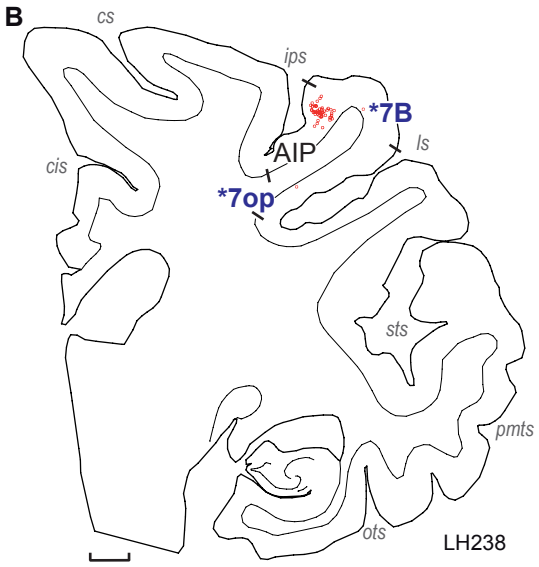
LH211

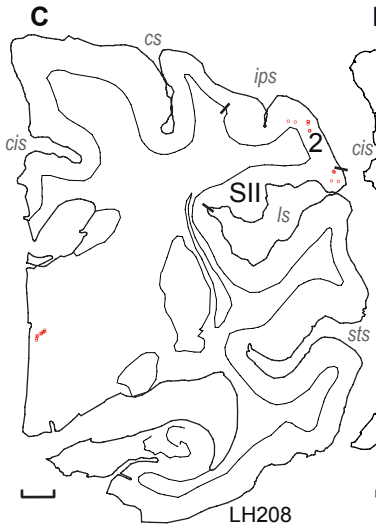

A
K
P
Case 28: M102LH
A
ips
cis
TPt
7A
7m
ls
MST
sts
*V2
cas
ios
ots
LH412
B
7A
ips
ls
23
cis
LIP
31
sts
STPc
MB
23
*TEO
cas
ots
LH380
C
ips
7A
23
cis
ls
31
*VIP
23
sts
STPc
FST
cas
ots
LH371'-372
D
cs
ips
23
cis
ls
7op
sts
PGa
ots
LH346
E
cs
*1
*3
*3
ips
23
cis
ls
STPi
PGa
sts
IPa
ots
LH320
F
cs
ips
cis
23
ls
*MB
STPi
PGa
sts
IPa
ots
LH300
G
cs
23
cis
SII
ls
INS
sts
PGa
LH268
H
24d
cis
24b
ls
Pi
STPr
sts
amts
TEa/ma
rs
LH252
*PERI
I
F2
24d
cis
24b
ls
*PBr
Pi
STPr
PGa
sts
IPa
TEa/ma
amts
rs
LH236
J
F2
F3
sas
24d
cis
24b
F4
24a
ls
*PBr
PGa
STPr
IPa
sts
amts
rs
LH219
*TEav
K
F7
F6
asu
8r
cis
8m
8B
24c
24b
ps
46d
46v
24c
asl
8l
44
ProM
OPRO
ls
LH157
L
*
F7
8m
asu
8B
F6
9/46d
cis
9/46v
24c
ps
24b
24a
46v
45A
13
12
los
mos
LH128
M
*
F7
9/46d
8B
F6
9/46v
cis
24c
24b
ps
46v
45A
13
12
los
mos
LH125
N
9
ps
9/46d
8B
9/46v
24c
cis
46v
12
32
los
mos
LH092
O
9/46d
9
ps
8B
9/46v
cis
46v
12
*11
*14
los
mos
LH080
P
ps
10
LH020

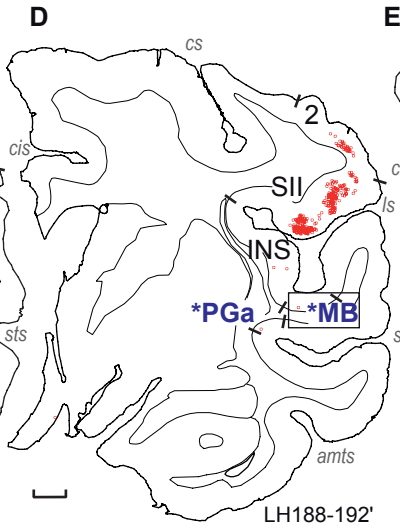


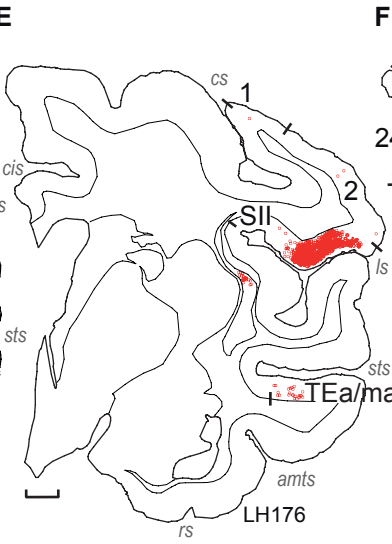
Case 29: M098LH

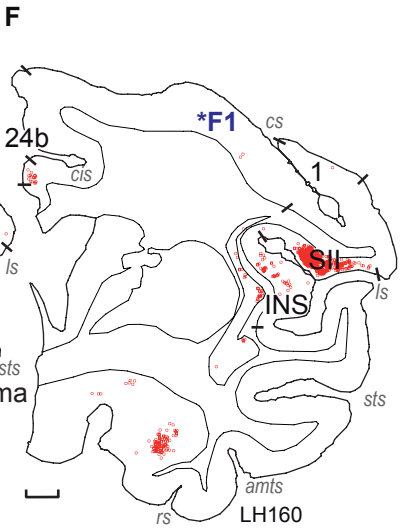


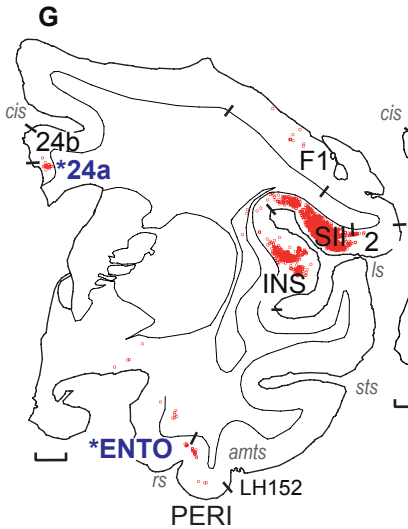


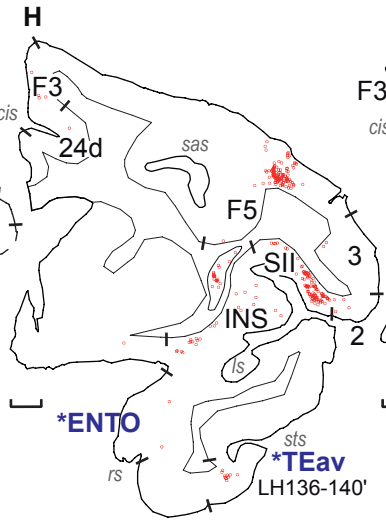


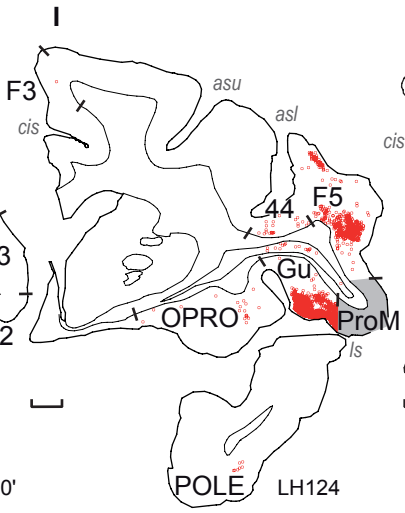


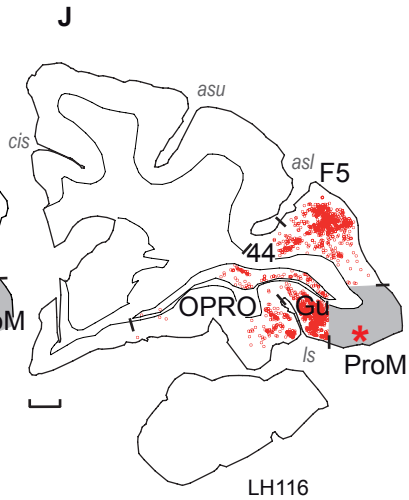


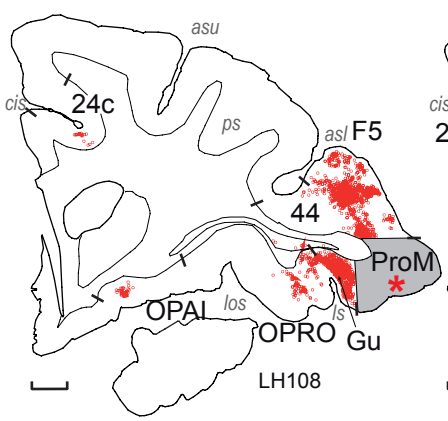


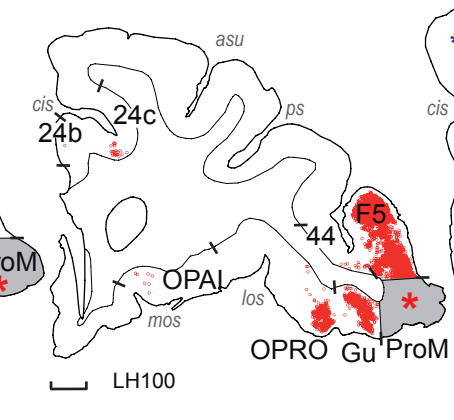


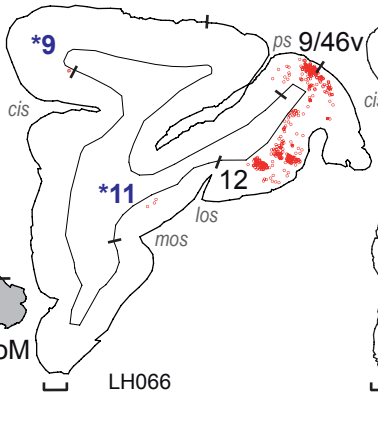


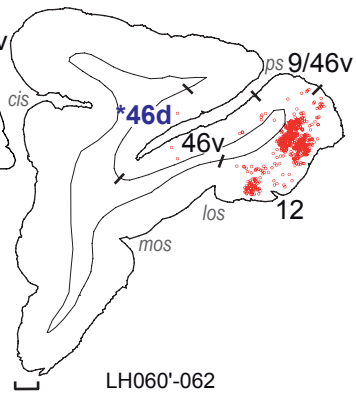


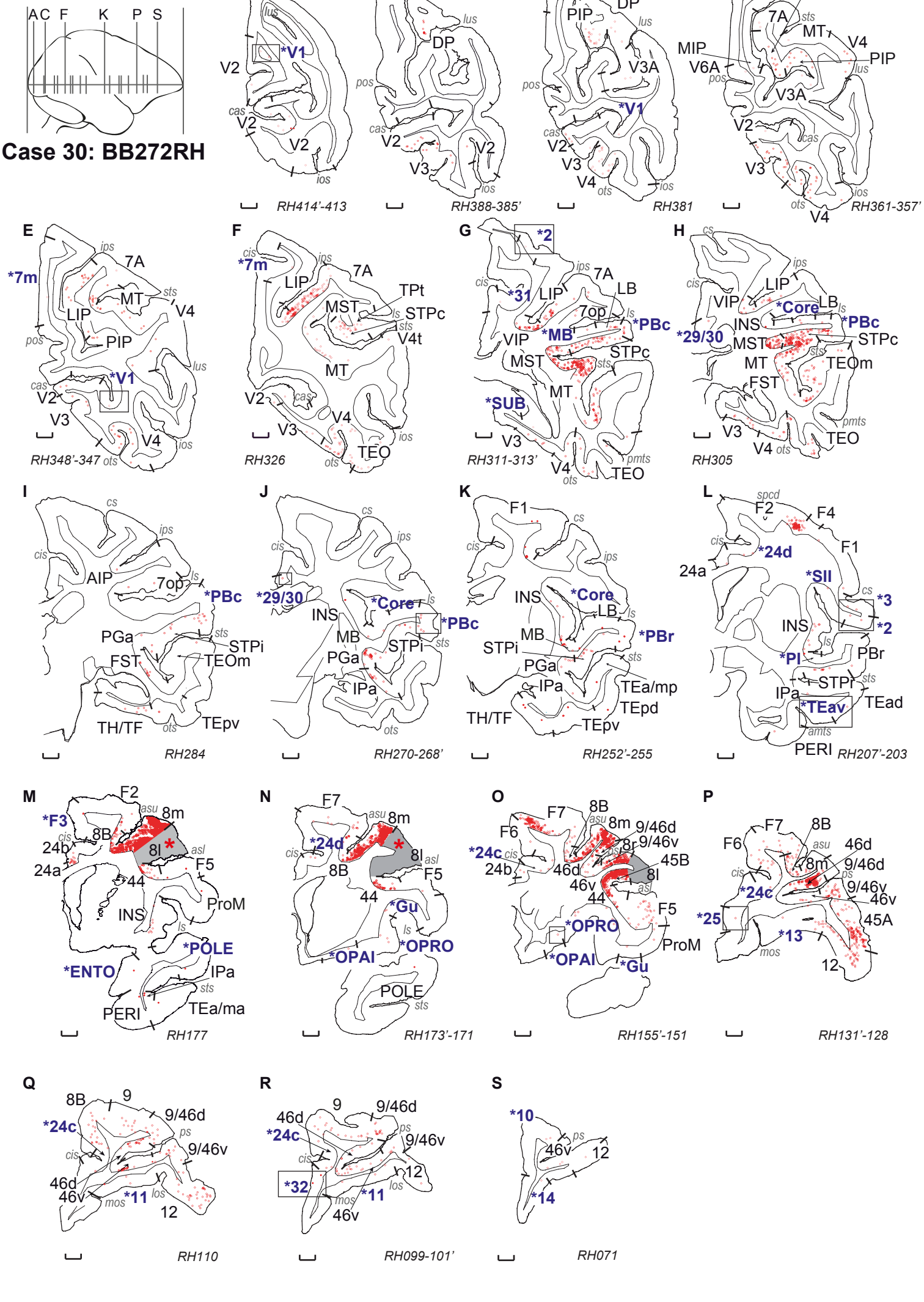


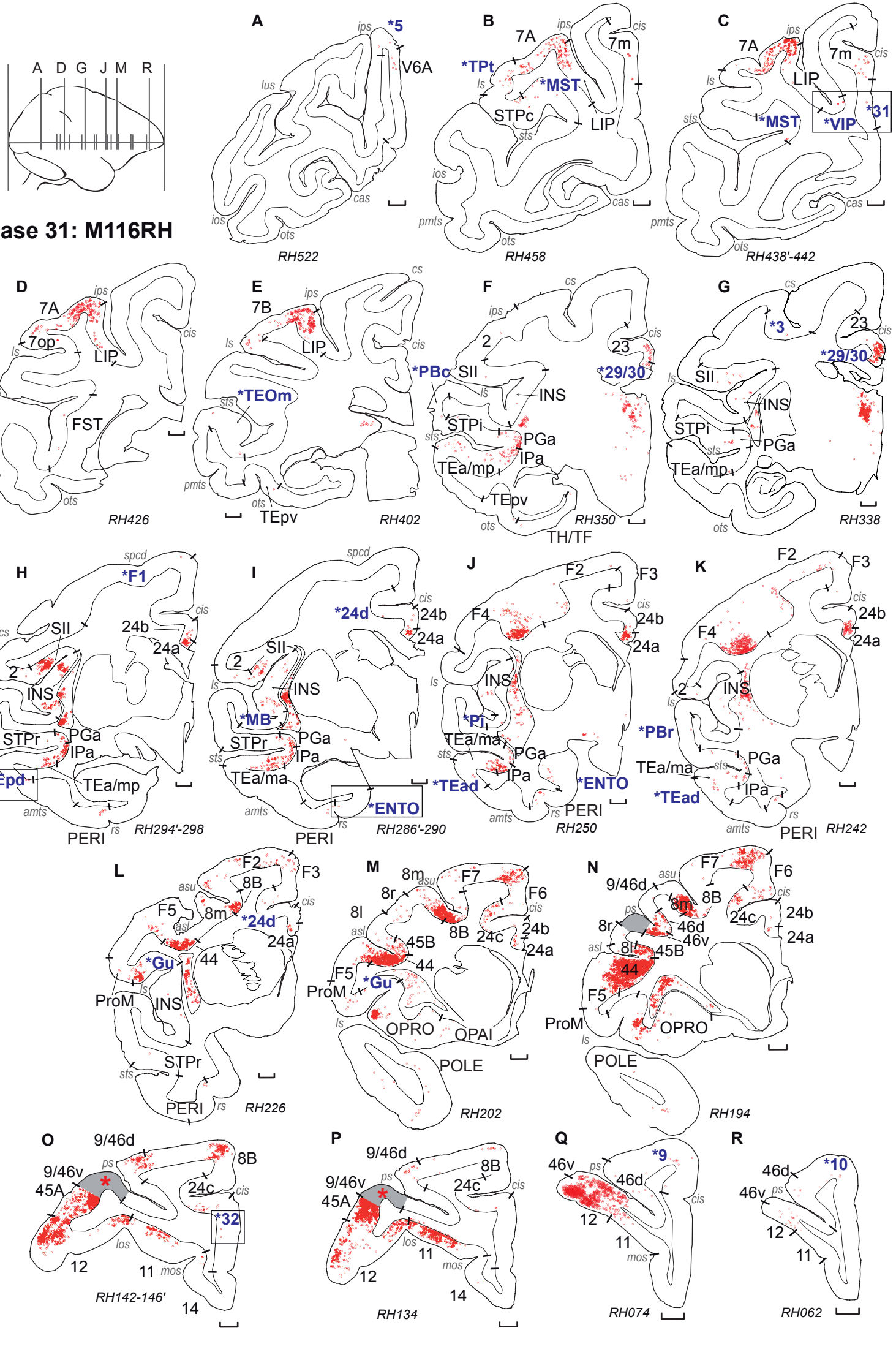


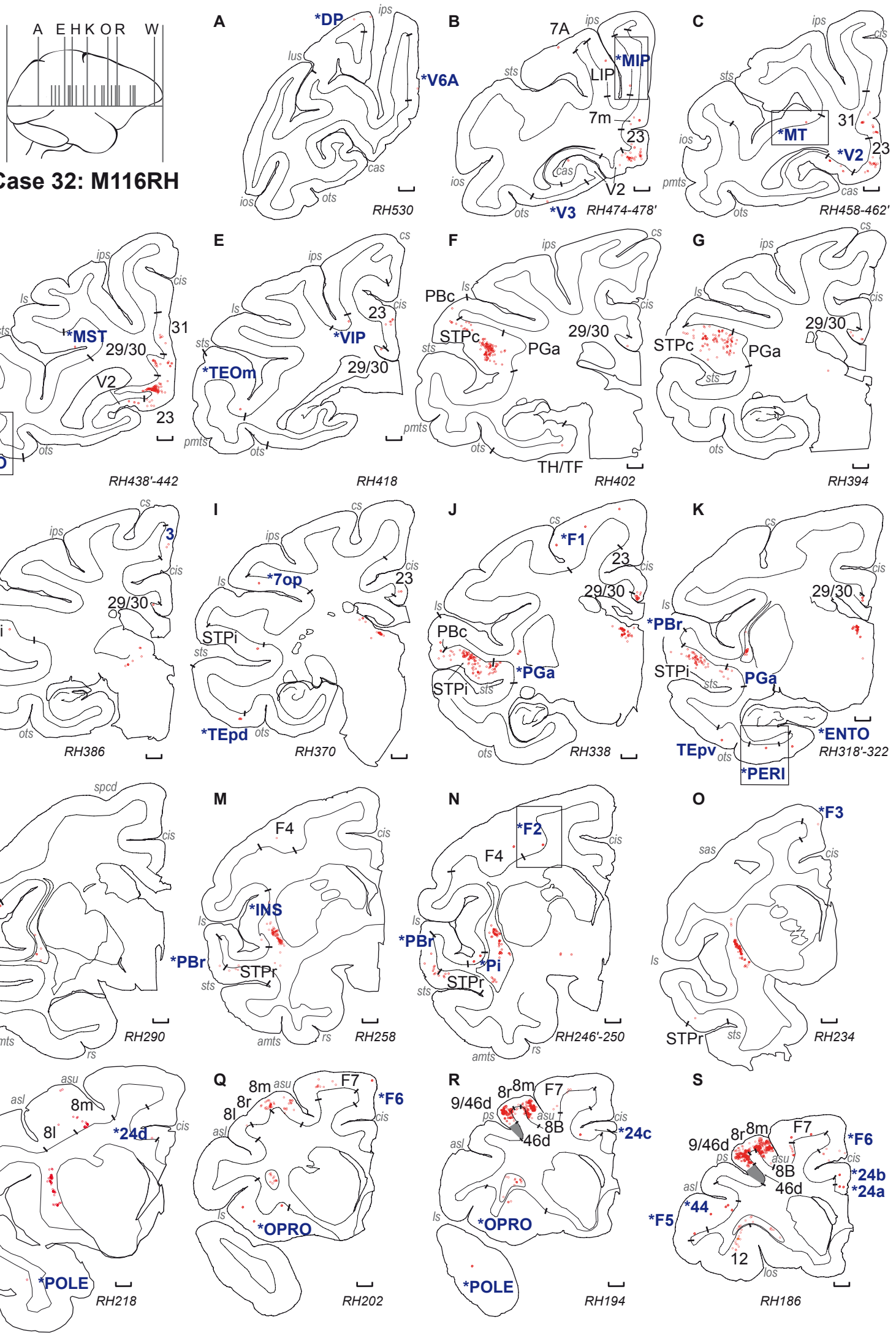


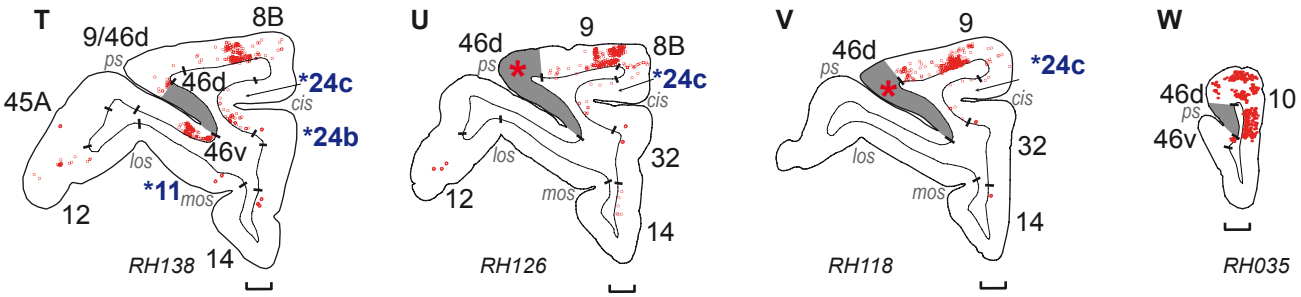


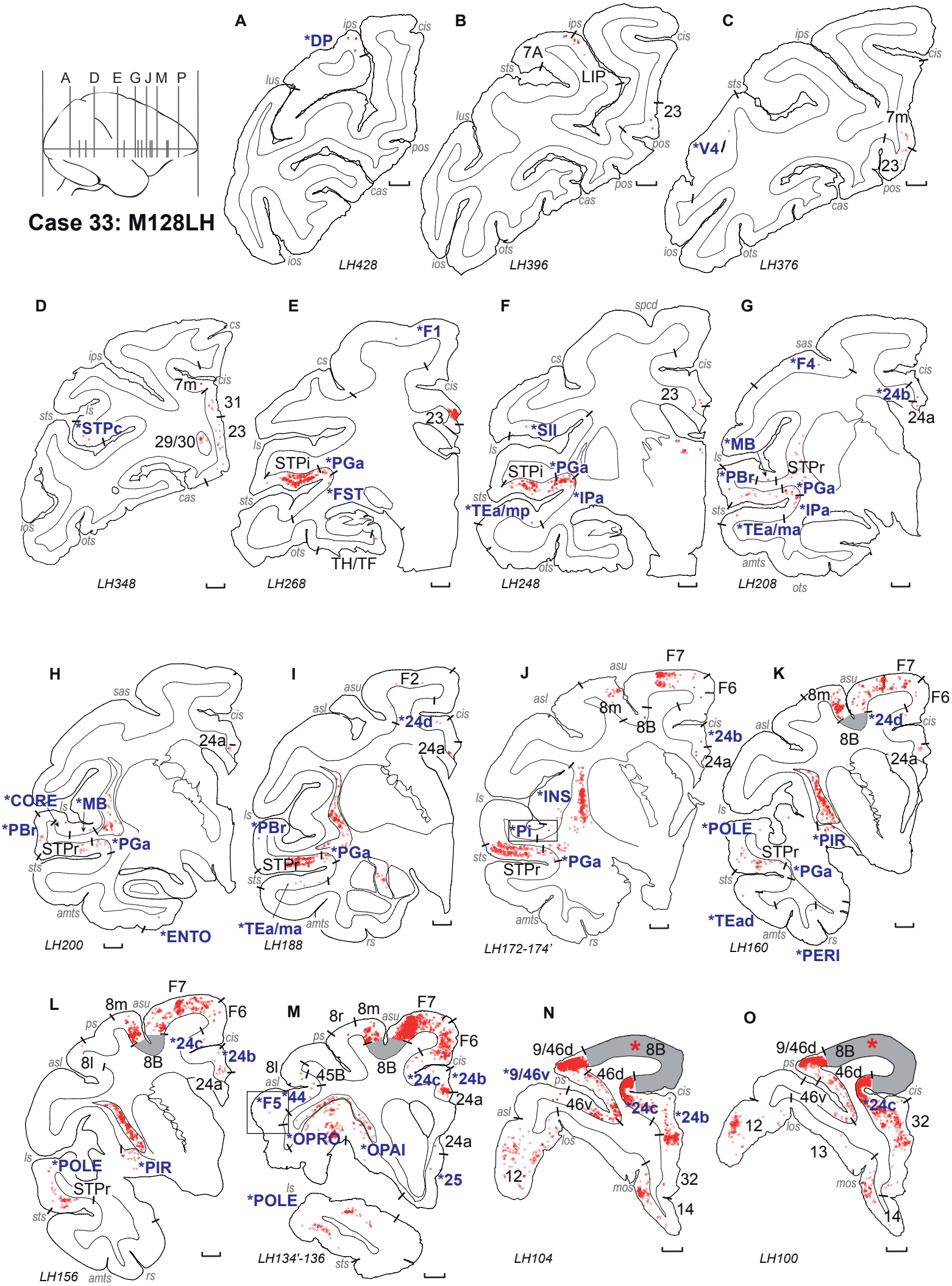



A C F K P S
Case 30: BB272RH
A
*V1
V2
lus
cas
ios
RH414'-413
B
ips
lus
DP
pos
cas
V2
V3
ios
RH388-385'
C
ips
DP
PIP
lus
V3A
pos
*V1
cas
V2
V3
V4
ots
ios
RH381
D
ips
LIP
7A
sts
MT
V4
MIP
PIP
V6A
lus
pos
V3A
V2
cas
V3
ios
ots
V4
RH361-357'
E
*7m
ips
7A
MT
sts
V4
LIP
PIP
pos
lus
*V1
cas
V2
V3
V4
ios
RH348'-347
ots
F
cis
*7m
ips
7A
LIP
TPt
MST
ls
STPc
sts
V4t
MT
V2
cas
V4
V3
ios
TEO
RH326
ots
G
*2
ips
7A
cis
*31
LIP
LB
7op
ls
*PBc
VIP
*MB
STPc
MST
sts
MT
*SUB
V3
V4
pmts
TEO
ots
RH311-313'
H
cs
ips
cis
LIP
VIP
*Core
LB
ls
*PBc
INS
*29/30
MST
STPc
sts
MT
TEOm
FST
pmts
V3
TEO
V4
ots
RH305
I
cs
ips
cis
AIP
7op
ls
*PBc
PGa
sts
STPi
FST
TEOm
TH/TF
ots
TEpv
RH284
J
cs
ips
cis
*29/30
INS
*Core
ls
*PBc
MB
STPi
sts
PGa
IPa
ots
RH270-268'
K
F1
cs
cis
ips
INS
*Core
LB
ls
*PBr
MB
STPi
sts
PGa
IPa
TEa/mp
TEpd
TH/TF
TEpv
RH252'-255
L
spcd
F2
F4
cis
*24d
F1
24a
*SII
cs
*3
INS
*2
ls
*PI
PBr
STPr
sts
IPa
*TEav
TEad
amts
PERI
RH207'-203
M
F2
*F3
asu
8m
cis
8B
24b
8l
asl
F5
24a
44
ProM
INS
ls
*POLE
*ENTO
IPa
sts
PERI
TEa/ma
RH177
N
F7
asu
8m
*24d
cis
8l
asl
8B
F5
44
*Gu
ls
*OPRO
*OPAI
POLE
sts
RH173'-171
O
F7
8B
asu
8m
9/46d
F6
*24c
cis
8r
9/46v
24b
45B
46d
8l
46v
asl
44
F5
*OPRO
ProM
*OPAI
*Gu
RH155'-151
P
F7
8B
F6
asu
46d
8m
9/46d
cis
ps
9/46v
*24c
46v
*25
45A
*13
mos
12
RH131'-128
Q
8B
9
*24c
9/46d
ps
cis
9/46v
46d
46v
*11
los
mos
12
RH110
R
9
9/46d
46d
*24c
ps
cis
9/46v
12
*32
los
*11
mos
46v
RH099-101'
S
*10
ps
46v
12
*14
RH071


A D G J M R
Case 31: M116RH
A
*5
V6A
lus
ips
cas
ios
ots
RH522
B
7A
7m
*TPt
*MST
STPc
LIP
ls
sts
ios
pmts
ots
cas
RH458
C
7A
7m
LIP
*MST
*VIP
*31
ls
sts
pmts
ots
cas
RH438'-442
D
7A
7op
LIP
FST
ls
sts
ips
cis
ots
RH426
E
7B
LIP
*TEOm
TEpv
ls
sts
ips
cis
cs
pmts
ots
RH402
F
2
SII
*PBc
INS
STPi
PGa
IPa
TEa/mp
TEpv
TH/TF
23
*29/30
ips
cs
cis
ls
sts
ots
RH350
G
*3
23
*29/30
SII
INS
STPi
PGa
TEa/mp
cs
cis
ls
sts
ots
RH338
H
*F1
SII
24b
24a
2
INS
PGa
IPa
STPr
*TEpd
TEa/mp
PERI
spcd
cis
cs
ls
sts
amts
rs
RH294'-298
I
*24d
24b
24a
SII
2
INS
*MB
PGa
IPa
STPr
TEa/ma
*ENTO
PERI
spcd
cis
ls
sts
amts
rs
RH286'-290
J
F2
F3
F4
24b
24a
INS
*Pi
PGa
IPa
TEa/ma
*TEad
*ENTO
PERI
cis
ls
sts
amts
rs
RH250
K
F2
F3
F4
24b
24a
2
INS
*PBr
PGa
IPa
TEa/ma
*TEad
PERI
cis
ls
sts
amts
rs
RH242
L
F2
F3
8B
F5
8m
*24d
24a
*Gu
44
ProM
INS
STPr
PERI
asu
asl
cis
ls
sts
rs
RH226
M
8m
F7
F6
8r
8l
8B
24c
24b
24a
45B
44
F5
*Gu
ProM
OPRO
OPAI
POLE
asu
asl
cis
ls
RH202
N
9/46d
F7
F6
8m
8B
24c
24b
24a
8r
46d
46v
8l
45B
44
F5
ProM
OPRO
POLE
asu
asl
ps
cis
ls
RH194
O
9/46d
9/46v
45A
8B
24c
*32
12
11
14
ps
cis
los
mos
RH142-146'
P
9/46d
9/46v
45A
8B
24c
12
11
14
ps
cis
los
mos
RH134
Q
46v
*9
46d
12
11
ps
cis
mos
RH074
R
46d
*10
46v
12
11
ps
RH062

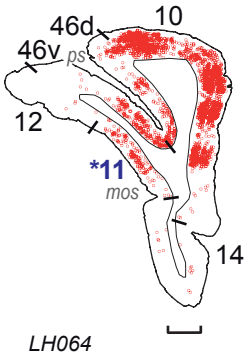

A E H K O R W
Case 32: M116RH
A
*DP
ips
lus
*V6A
cas
ios
ots
RH530
B
7A
ips
*MIP
LIP
sts
7m
23
cas
ios
V2
ots
*V3
RH474-478'
C
ips
cis
sts
31
*MT
ios
*V2
23
pmts
cas
ots
RH458-462'
D
ips
cis
ls
sts
*MST
31
29/30
V2
23
pmts
*TEO
ots
RH438'-442
E
ips
cs
ls
23
cis
sts
*VIP
*TEOm
29/30
pmts
ots
RH418
F
ips
cs
PBc
ls
cis
STPc
29/30
sts
PGa
pmts
ots
TH/TF
RH402
G
ips
cs
ls
cis
29/30
STPc
PGa
sts
ots
RH394
H
cs
ips
3
ls
cis
29/30
STPi
sts
ots
RH386
I
cs
ips
*7op
ls
cis
23
STPi
sts
*TEpd
ots
RH370
J
cs
*F1
23
cis
29/30
ls
PBc
*PGa
STPi
sts
ots
RH338
K
cs
cis
29/30
ls
*PBr
STPi
sts
PGa
*ENTO
TEpv
ots
*PERI
RH318'-322
L
spcd
cis
*2
ls
*PBr
sts
amts
rs
RH290
M
F4
cis
*INS
ls
STPr
sts
amts
rs
RH258
N
*F2
F4
cis
ls
*PBr
*Pi
STPr
sts
amts
rs
RH246'-250
O
*F3
sas
cis
ls
STPr
sts
RH234
P
asu
asl
8m
8l
*24d
cis
ls
*POLE
RH218
Q
8m
asu
F7
*F6
8r
8l
cis
asl
ls
*OPRO
RH202
R
9/46d
8r
8m
F7
ps
asu
cis
8B
*24c
46d
asl
ls
*OPRO
*POLE
RH194
S
9/46d
8r
8m
F7
*F6
ps
asu
cis
8B
*24b
46d
asl
*24a
*44
*F5
12
los
RH186

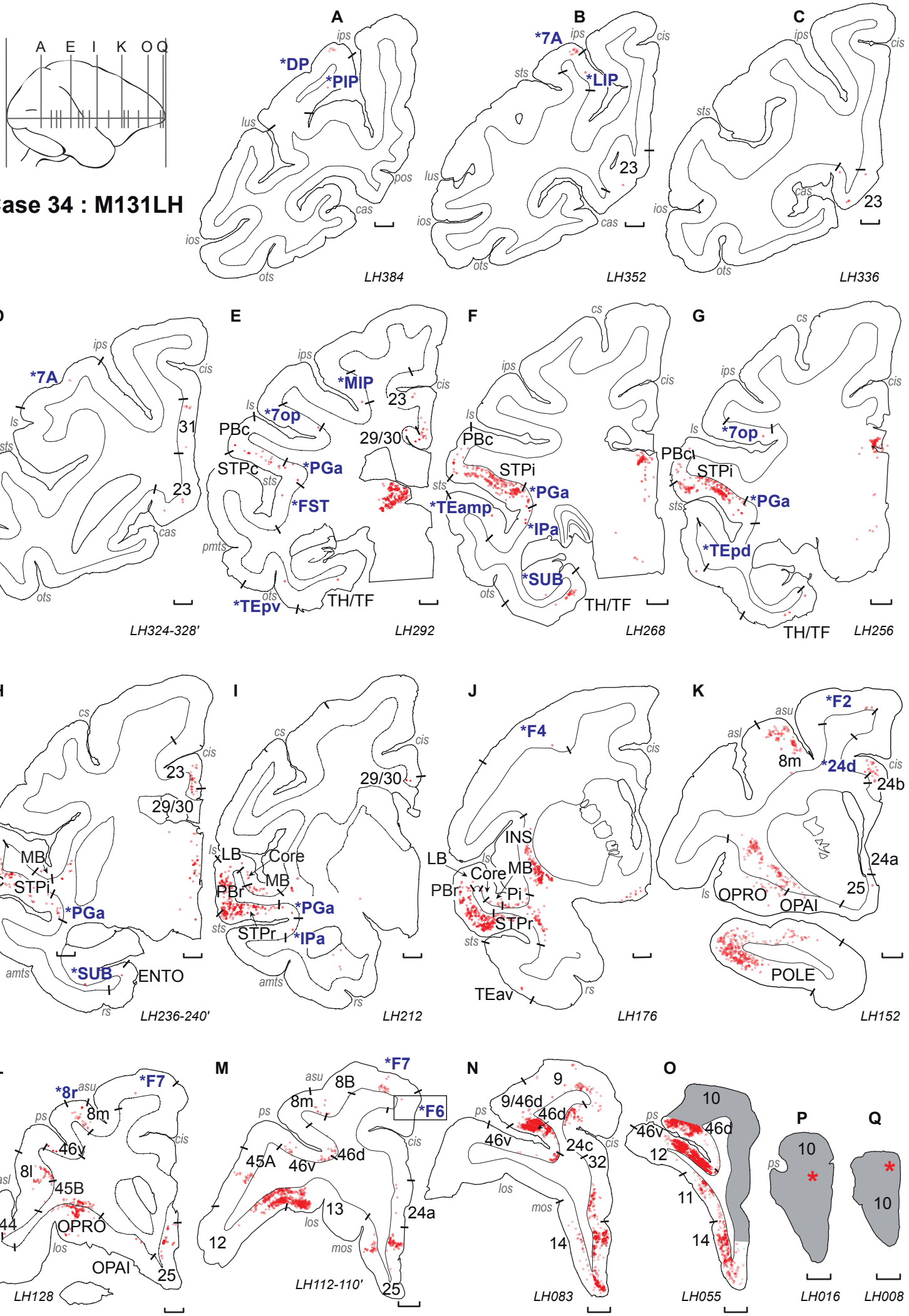

T
9/46d
8B
ps
46d
*24c
cis
45A
*24b
46v
los
*11
mos
12
14
RH138
U
46d
9
8B
ps
*24c
cis
32
los
12
mos
14
RH126
V
46d
9
ps
*24c
cis
32
los
mos
14
RH118
W
46d
10
ps
46v
RH035

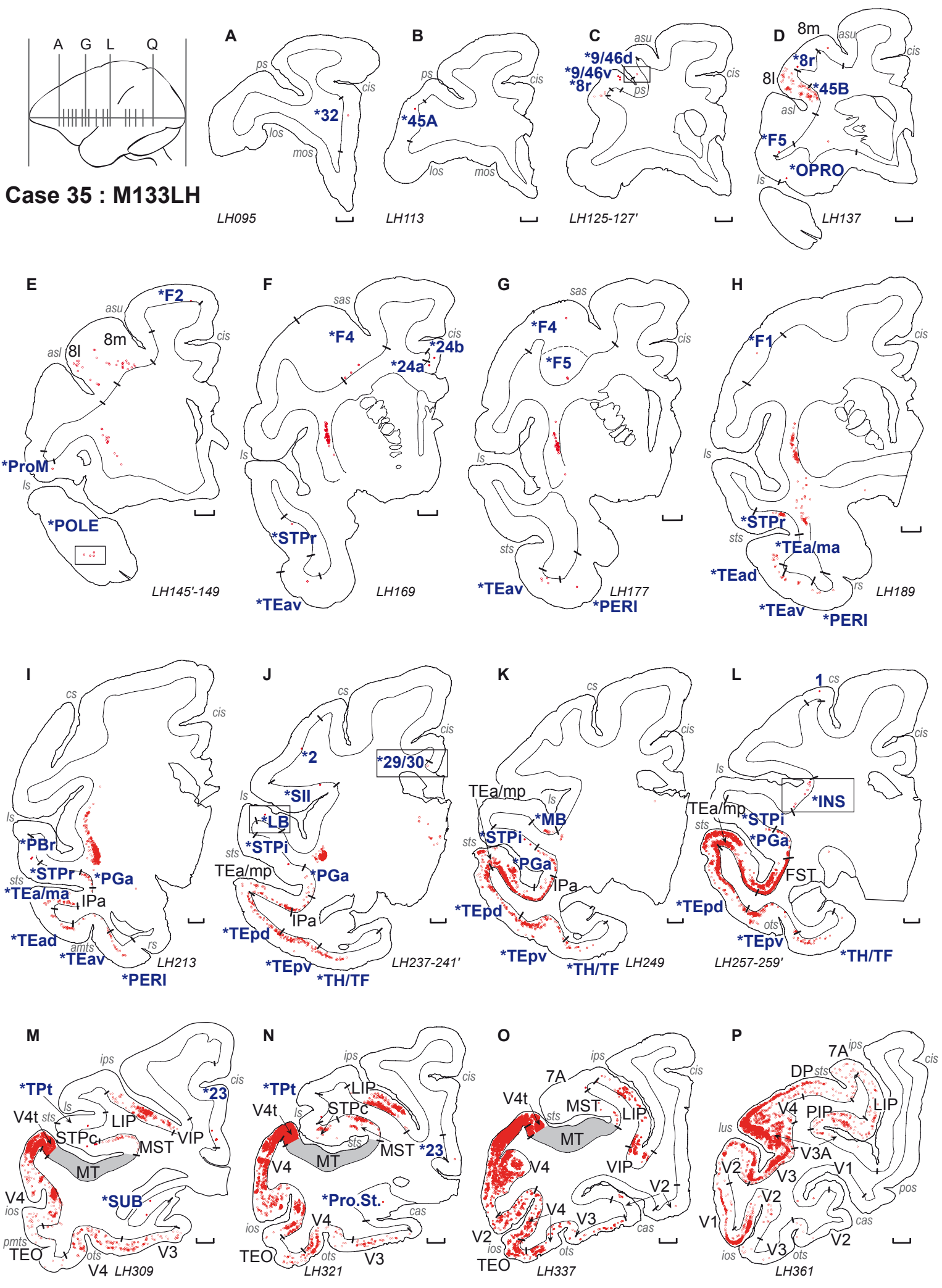


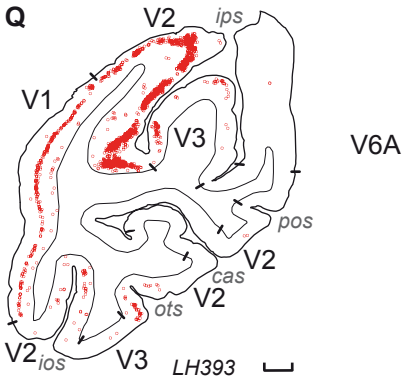
A D E G J M P
Case 33: M128LH
A
*DP
ips
cis
lus
pos
cas
ios
LH428
B
7A
LIP
23
sts
lus
pos
cas
ots
ios
LH396
C
ips
cis
sts
7m
*V4
23
pos
cas
ios
ots
LH376
D
cs
ips
7m
cis
31
sts
ls
*STPc
29/30
23
cas
ios
ots
LH348
E
*F1
cs
cis
23
ls
STPi
*PGa
*FST
sts
ots
TH/TF
LH268
F
spcd
cs
cis
23
*SII
ls
STPi
*PGa
*IPa
sts
*TEa/mp
ots
LH248
G
sas
*F4
cis
*24b
24a
*MB
ls
STPr
*PBr
*PGa
*IPa
sts
*TEa/ma
amts
ots
LH208
H
sas
cis
24a
*CORE
ls
*MB
*PBr
STPr
*PGa
sts
amts
*ENTO
LH200
I
F2
asu
asl
*24d
cis
24a
ls
*PBr
*PGa
STPr
sts
*TEa/ma
amts
rs
LH188
J
F7
asu
F6
asl
8m
8B
cis
*24b
24a
*INS
ls
*Pi
sts
STPr
*PGa
amts
rs
LH172-174'
K
F7
asu
F6
8m
*24d
cis
asl
8B
24a
ls
*POLE
*PIR
STPr
*PGa
sts
*TEad
amts
rs
*PERI
LH160
L
F7
8m
asu
F6
ps
*24c
cis
*24b
asl
8l
8B
24a
ls
*POLE
*PIR
STPr
sts
amts
rs
LH156
M
8r
8m
asu
F7
F6
ps
8l
45B
8B
cis
*24c
*24b
asl
*F5
*44
24a
*OPRO
*OPAI
24a
*25
ls
*POLE
sts
LH134'-136
N
9/46d
* 8B
*9/46v
ps
46d
cis
46v
*24c
*24b
asl
los
12
32
mos
14
LH104
O
9/46d
8B
*
ps
46d
cis
46v
*24c
32
12
los
13
mos
14
LH100

P




A E I K O Q
Case 34 : M131LH
A
*DP
*PIP
lus
ips
pos
cas
ios
ots
LH384
B
*7A
*LIP
sts
lus
ips
cis
23
ios
cas
ots
LH352
C
ips
cis
sts
cas
23
ios
ots
LH336
D
*7A
ips
cis
ls
sts
31
23
ios
cas
ots
LH324-328'
E
ips
*MIP
23
cis
ls
*7op
PBc
29/30
STPc
sts
*PGa
*FST
pmts
ots
*TEpv
TH/TF
LH292
F
cs
ips
cis
ls
PBc
STPi
sts
*PGa
*TEamp
*IPa
*SUB
ots
TH/TF
LH268
G
cs
ips
cis
ls
*7op
PBc
STPi
sts
*PGa
*TEpd
TH/TF
LH256
H
cs
cis
23
29/30
ls
MB
PBc
STPi
sts
*PGa
*SUB
ENTO
amts
rs
LH236-240'
I
cs
cis
29/30
ls
LB
Core
MB
PBr
*PGa
sts
STPr
*IPa
amts
rs
LH212
J
*F4
cis
INS
LB
ls
Core
MB
PBr
Pi
STPr
sts
TEav
rs
LH176
K
asu
*F2
asl
8m
*24d
cis
24b
24a
ls
OPRO
OPAI
25
POLE
LH152
L
*8r
asu
*F7
ps
8m
cis
46v
8l
asl
45B
44
OPRO
los
OPAI
25
LH128
M
*F7
asu
8B
8m
*F6
ps
cis
45A
46v
46d
13
los
24a
12
mos
25
LH112-110'
N
9
9/46d
ps
46d
46v
24c
cis
32
los
mos
14
LH083
O
10
ps
46v
46d
12
11
14
LH055
P
10
ps
*
LH016
Q
*
10
LH008


A G L Q
Case 35 : M133LH
A
ps
cis
*32
los
mos
LH095
B
ps
cis
*45A
los
mos
LH113
C
asu
*9/46d
*9/46v
*8r
cis
ps
LH125-127'
D
8m
asu
cis
*8r
8l
*45B
asl
*F5
*OPRO
ls
LH137
E
*F2
asu
cis
asl
8l
8m
*ProM
ls
*POLE
LH145'-149
F
sas
*F4
cis
*24b
*24a
ls
*STPr
*TEav
LH169
G
sas
*F4
cis
*F5
ls
sts
*TEav
*PERI
LH177
H
*F1
cis
ls
*STPr
sts
*TEa/ma
*TEad
rs
*TEav
*PERI
LH189
I
cs
cis
ls
*PBr
*STPr
*PGa
sts
*TEa/ma
IPa
*TEad
amts
rs
*TEav
*PERI
LH213
J
cs
cis
*2
*29/30
ls
*SII
*LB
*STPi
sts
TEa/mp
*PGa
IPa
*TEpd
*TEpv
*TH/TF
LH237-241'
K
cs
cis
TEa/mp
ls
*MB
*STPi
sts
*PGa
IPa
*TEpd
*TEpv
*TH/TF
LH249
L
1
cs
cis
ls
*INS
TEa/mp
sts
*STPi
*PGa
FST
*TEpd
ots
*TEpv
*TH/TF
LH257-259'
M
ips
cis
*TPt
*23
ls
V4t
sts
LIP
STPc
MST
VIP
MT
V4
*SUB
ios
pmts
TEO
ots
V3
V4
LH309
N
ips
cis
*TPt
LIP
V4t
ls
STPc
sts
MT
MST
*23
V4
*Pro.St.
cas
ios
V4
TEO
ots
V3
LH321
O
ips
cis
7A
V4t
MST
sts
LIP
MT
V4
VIP
V2
V4
V3
cas
V2
ios
ots
TEO
LH337
P
7A
ips
cis
DP
sts
V4
PIP
LIP
lus
V3A
V2
V3
V1
pos
V2
cas
V1
V3
ios
ots
V2
LH361


Q
V2
ips
V1
V3
V6A
pos
V2
cas
V2
ots
V2
ios
V3
LH393

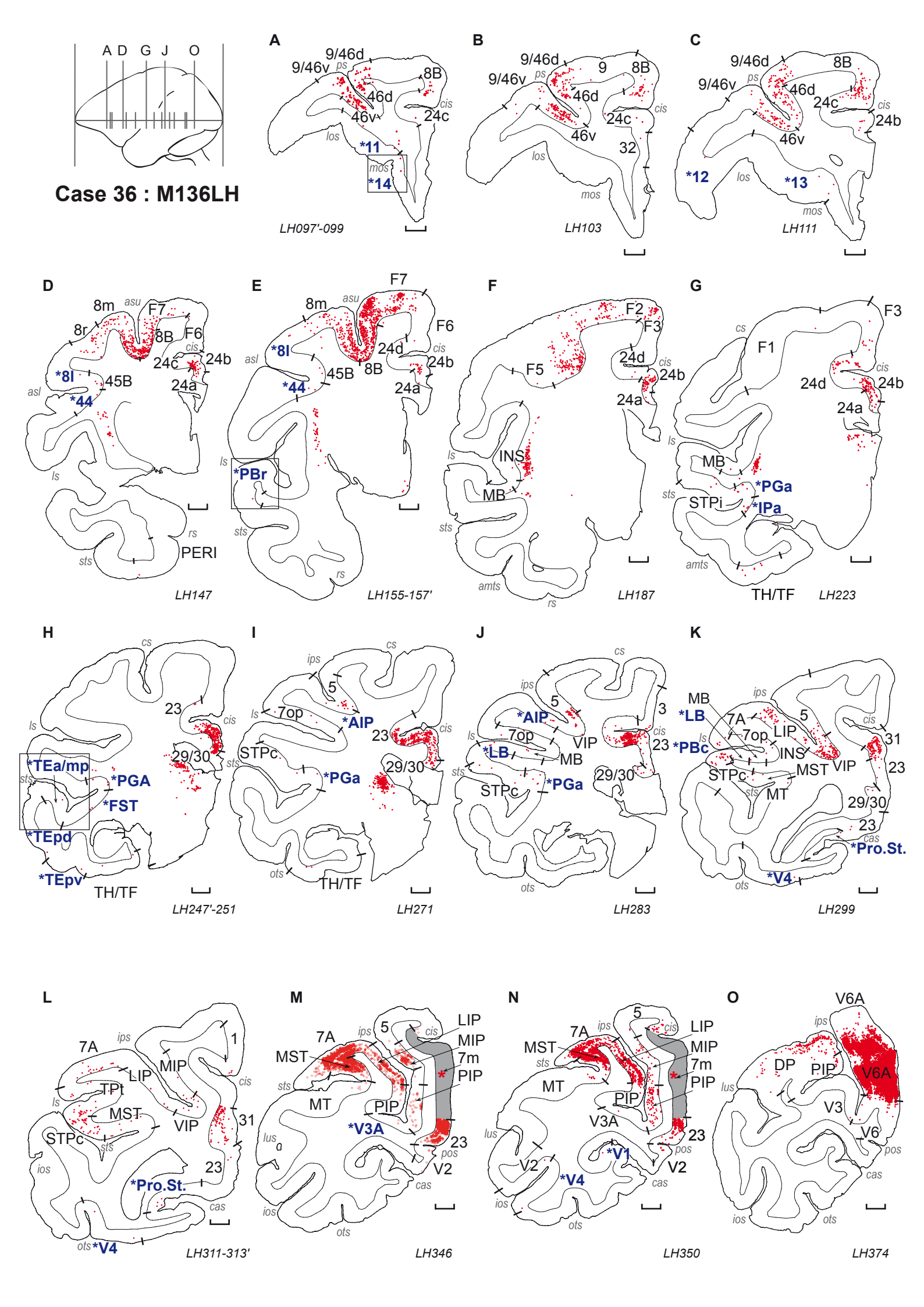
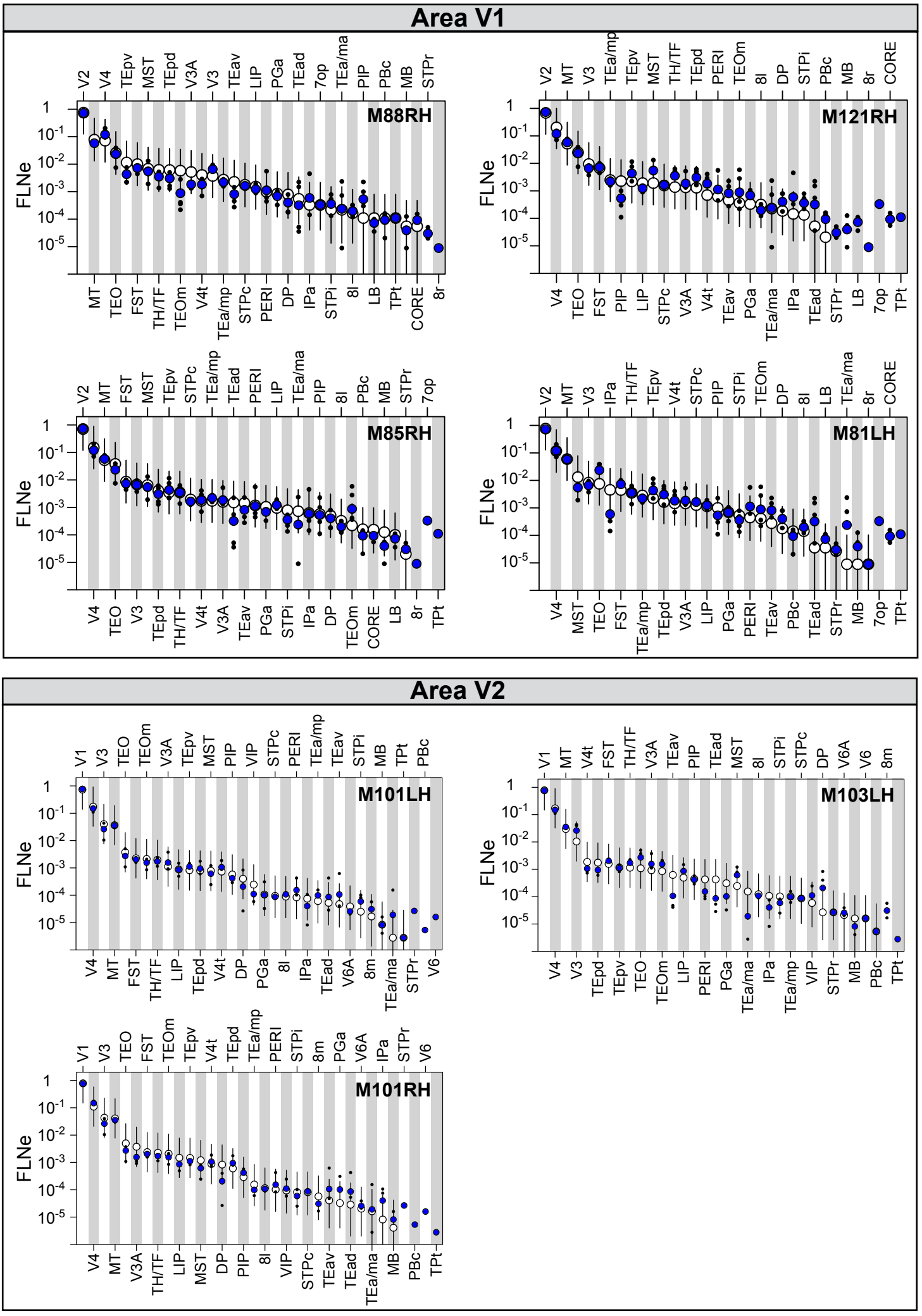
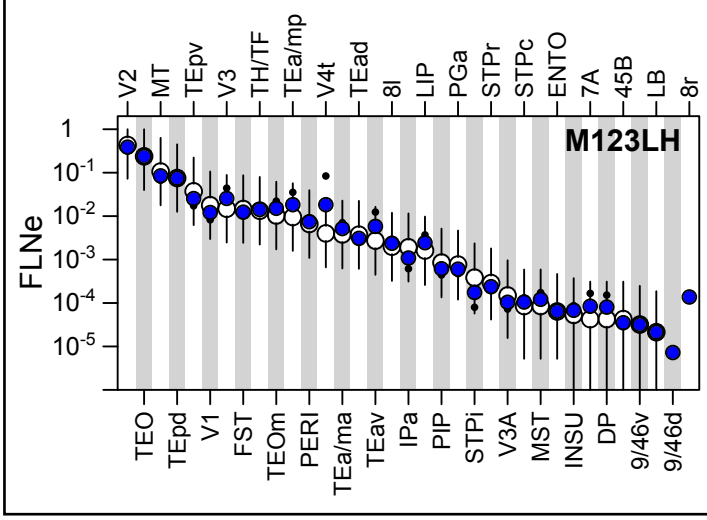
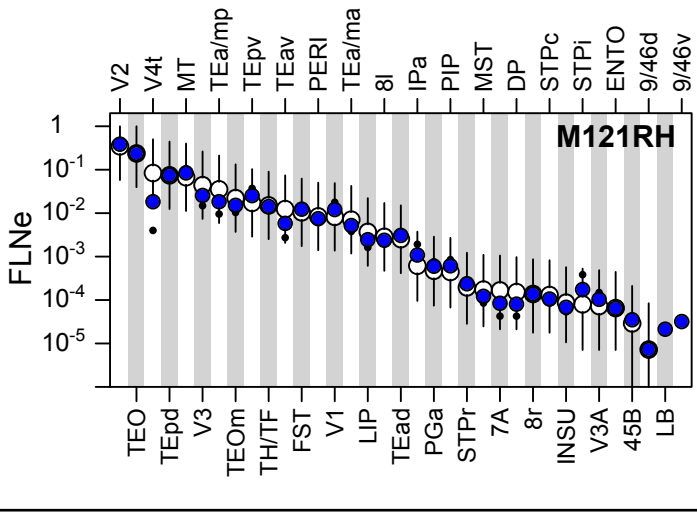

A D G J O
Case 36 : M136LH
A
9/46d
9/46v
ps
8B
46d
46v
24c
cis
los
*11
mos
*14
LH097'-099
B
9/46d
9/46v
ps
9
8B
46d
24c
cis
46v
32
los
mos
LH103
C
9/46d
8B
9/46v
ps
46d
24c
cis
24b
46v
*12
los
*13
mos
LH111
D
8m
asu
F7
8r
8B
F6
cis
24c
24b
*8l
45B
24a
asl
*44
ls
rs
PERI
sts
LH147
E
F7
8m
asu
F6
*8l
24d
cis
24b
asl
45B
8B
*44
24a
ls
*PBr
sts
rs
LH155-157'
F
F2
F3
F5
24d
cis
24b
24a
ls
INS
MB
sts
amts
rs
LH187
G
F3
cs
F1
cis
24d
24b
24a
ls
MB
*PGa
sts
STPi
*IPa
amts
TH/TF
LH223
H
cs
ls
23
cis
29/30
*TEa/mp
sts
*PGA
*FST
*TEpd
*TEpv
TH/TF
LH247'-251
I
ips
cs
5
ls
7op
*AIP
23
cis
STPc
sts
29/30
*PGa
ots
TH/TF
LH271
J
cs
ips
5
3
*AIP
7op
VIP
ls
*LB
MB
cis
23
sts
STPc
*PGa
29/30
ots
LH283
K
MB
ips
*LB
7A
5
cis
ls
7op
LIP
31
*PBc
INS
23
STPc
MST
VIP
sts
MT
29/30
23
cas
*Pro.St.
*V4
ots
LH299
L
7A
ips
1
MIP
LIP
cis
TPt
ls
MST
31
VIP
STPc
sts
23
ios
*Pro.St.
cas
ots
*V4
LH311-313'
M
7A
ips
5
cis
LIP
MST
MIP
7m
sts
*
PIP
MT
PIP
*V3A
23
lus
pos
V2
cas
ios
ots
LH346
N
5
7A
ips
cis
LIP
MST
MIP
sts
7m
*
PIP
MT
PIP
V3A
23
lus
*V1
pos
V2
V2
cas
*V4
ios
ots
LH350
O
V6A
ips
DP
PIP
V6A
lus
V3
V6
pos
cas
ios
ots
LH374

Figure S3 - Relationships of means from multiple injections to the 95 confidence intervals following single injections.

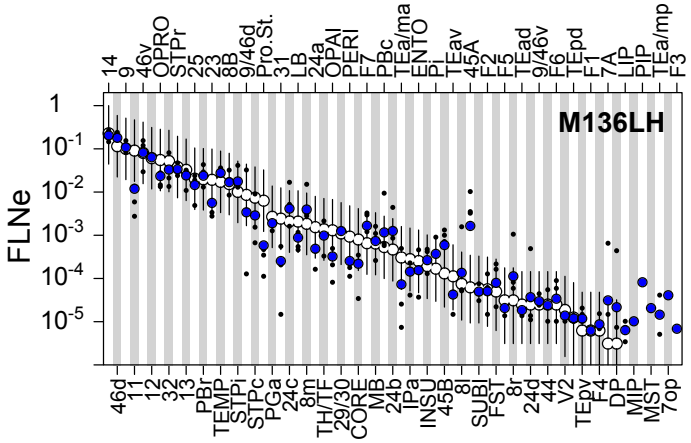

Area V1
M88RH
M121RH
M85RH
M81LH
Area V2
M101LH
M103LH
M101RH
FLNe

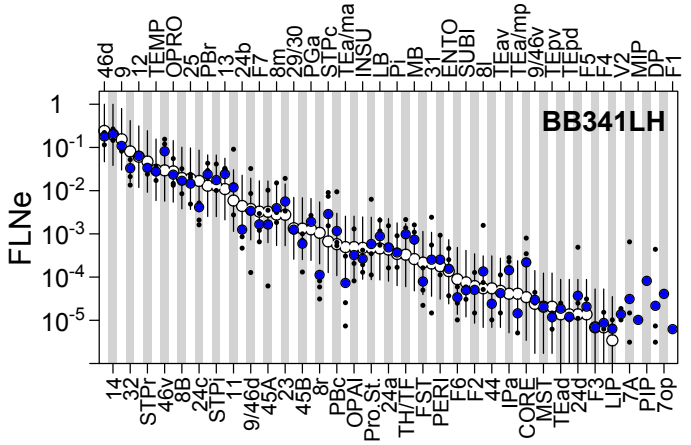
Area V4





Area 10





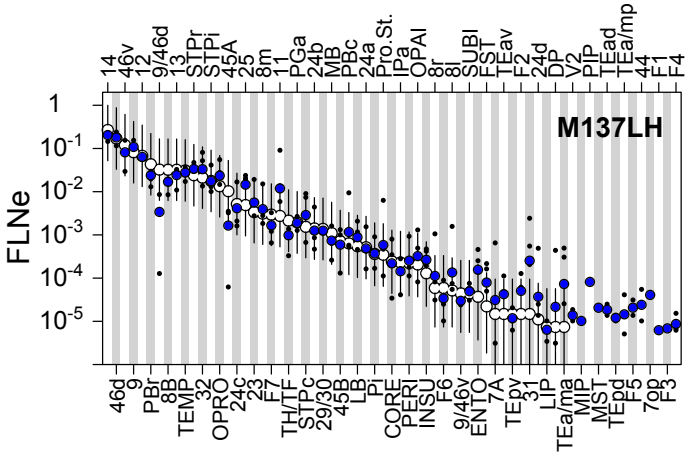
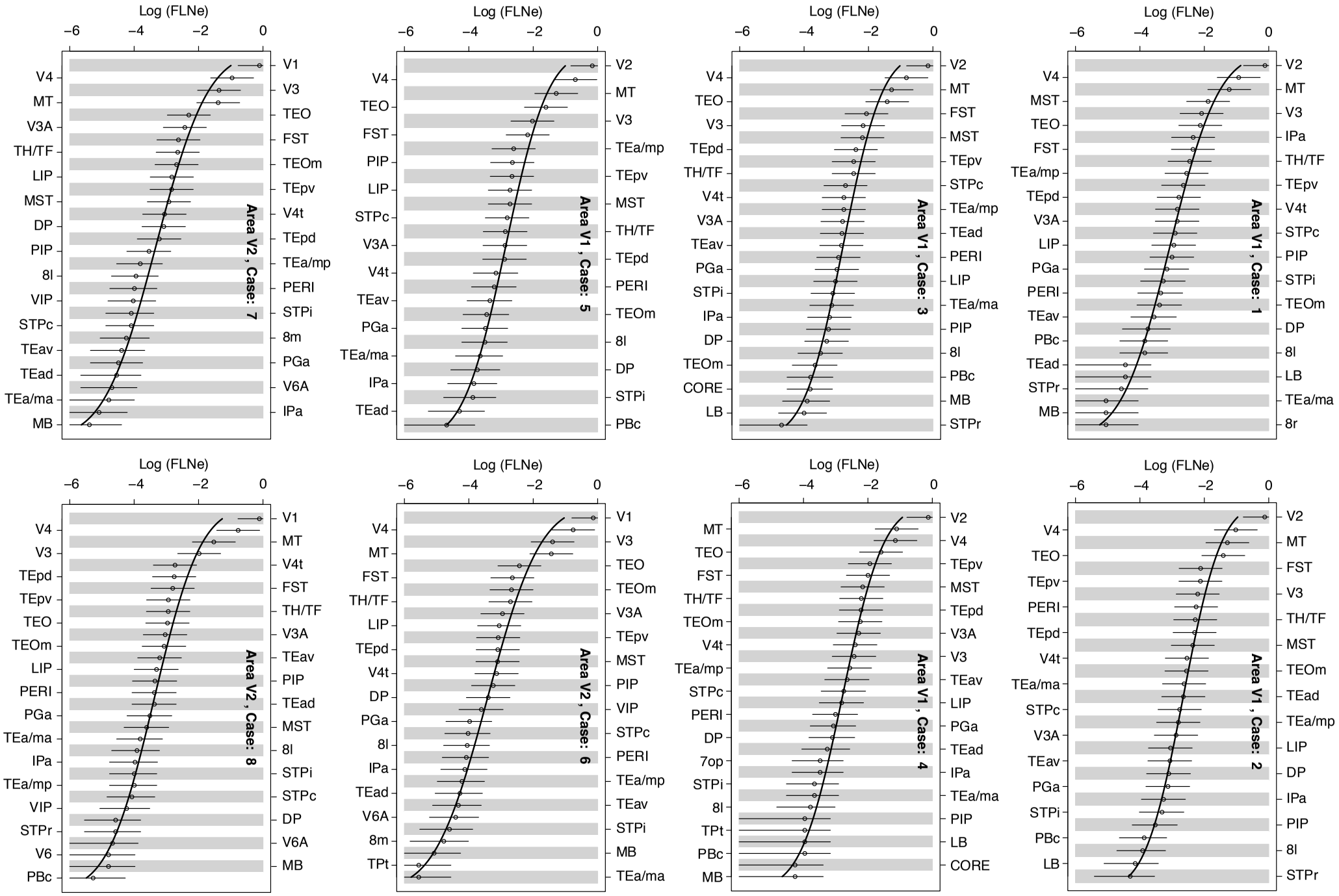


Figure S4 - Connectivity profiles to 23 target area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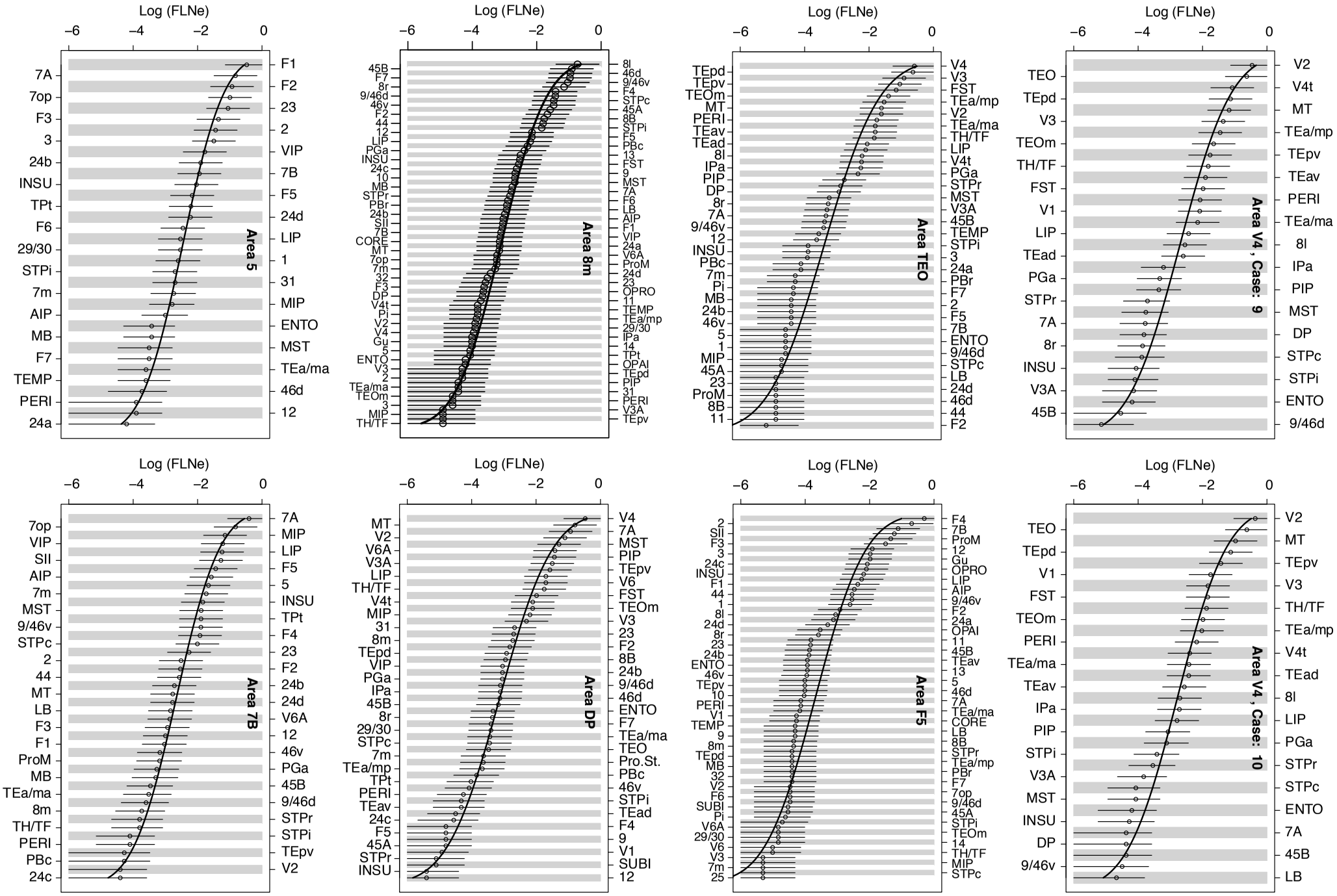
−2
0
V4
MT
V3A
TH/TF
LIP
MST
DP
PIP
8l
VIP
STPc
TEav
TEad
TEa/ma
MB
V1
V3
TEO
FST
TEOm
TEpv
V4t
TEpd
TEa/mp
PERI
STPi
8m
PGa
V6A
IPa
Area V2 , Case: 7
V4
TEO
FST
PIP
LIP
STPc
V3A
V4t
TEav
PGa
TEa/ma
IPa
TEad
V2
MT
V3
TEa/mp
TEpv
MST
TH/TF
TEpd
PERI
TEOm
8l
DP
STPi
PBc
Area V1 , Case: 5
V4
TEO
V3
TEpd
TH/TF
V4t
V3A
TEav
PGa
STPi
IPa
DP
TEOm
CORE
LB
V2
MT
FST
MST
TEpv
STPc
TEa/mp
TEad
PERI
LIP
TEa/ma
PIP
8l
PBc
MB
STPr
Area V1 , Case: 3
V4
MST
TEO
FST
TEa/mp
TEpd
V3A
LIP
PGa
PERI
TEav
PBc
TEad
STPr
MB
V2
MT
V3
IPa
TH/TF
TEpv
V4t
STPc
PIP
STPi
TEOm
DP
8l
LB
TEa/ma
8r
Area V1 , Case: 1
V4
V3
TEpd
TEpv
TEO
TEOm
LIP
PERI
PGa
TEa/ma
IPa
TEa/mp
VIP
STPr
V6
PBc
V1
MT
V4t
FST
TH/TF
V3A
TEav
PIP
TEad
MST
8l
STPi
STPc
DP
V6A
MB
Area V2 , Case: 8
V4
MT
FST
TH/TF
LIP
TEpd
V4t
DP
PGa
8l
IPa
TEad
V6A
8m
TPt
V1
V3
TEO
TEOm
V3A
TEpv
MST
PIP
VIP
STPc
PERI
TEa/mp
TEav
STPi
MB
TEa/ma
Area V2 , Case: 6
MT
TEO
FST
TH/TF
TEOm
V4t
TEa/mp
STPc
PERI
DP
7op
STPi
8l
TPt
PBc
MB
V2
V4
TEpv
MST
TEpd
V3A
V3
TEav
LIP
PGa
TEad
IPa
TEa/ma
PIP
LB
CORE
Area V1 , Case: 4
V4
TEO
TEpv
PERI
TEpd
V4t
TEa/ma
STPc
V3A
TEav
PGa
STPi
PBc
LB
V2
MT
FST
V3
TH/TF
MST
TEOm
TEad
TEa/mp
LIP
DP
IPa
PIP
8l
STPr
Area V1 , Case: 2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−2
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Area 5
7A
7op
F3
3
24b
INSU
TPt
F6
29/30
STPi
7m
AIP
MB
F7
TEMP
PERI
24a
F1
F2
23
2
VIP
7B
F5
24d
LIP
1
31
MIP
ENTO
MST
TEa/ma
46d
12
Area 8m
45B
F7
8r
9/46d
46v
F2
44
12
LIP
PGa
INSU
24c
10
MB
STPr
PBr
24b
SII
7B
CORE
MT
7op
7m
32
F3
DP
V4t
Pi
V2
V4
Gu
5
ENTO
V3
2
TEa/ma
TEOm
3
MIP
TH/TF
8l
46d
9/46v
F4
STPc
45A
8B
STPi
F5
PBc
13
FST
9
MST
7A
F6
LB
AIP
F1
VIP
24a
V6A
ProM
24d
23
OPRO
11
TEMP
TEa/mp
29/30
IPa
14
TPt
OPAl
TEpd
PIP
31
PERI
V3A
TEpv
Area TEO
TEpd
TEpv
TEOm
MT
PERI
TEav
TEad
8l
IPa
PIP
DP
8r
7A
9/46v
12
INSU
PBc
7m
Pi
MB
24b
46v
5
1
MIP
45A
23
ProM
8B
11
V4
V3
FST
TEa/mp
V2
TEa/ma
TH/TF
LIP
V4t
PGa
STPr
MST
V3A
45B
TEMP
STPi
3
24a
PBr
F7
2
F5
7B
ENTO
9/46d
STPc
LB
24d
46d
44
F2
Area V4 , Case: 9
TEO
TEpd
V3
TEOm
TH/TF
FST
V1
LIP
TEad
PGa
STPr
7A
8r
INSU
V3A
45B
V2
V4t
MT
TEa/mp
TEpv
TEav
PERI
TEa/ma
8l
IPa
PIP
MST
DP
STPc
STPi
ENTO
9/46d
Area 7B
7op
VIP
SII
AIP
7m
MST
9/46v
STPc
2
44
MT
LB
F3
F1
ProM
MB
TEa/ma
8m
TH/TF
PERI
PBc
24c
7A
MIP
LIP
F5
5
INSU
TPt
F4
23
F2
24b
24d
V6A
12
46v
PGa
45B
9/46d
STPr
STPi
TEpv
V2
Area DP
MT
V2
V6A
V3A
LIP
TH/TF
V4t
MIP
31
8m
TEpd
VIP
PGa
IPa
45B
8r
29/30
STPc
7m
TEa/mp
TPt
PERI
TEav
24c
F5
45A
STPr
INSU
V4
7A
MST
PIP
TEpv
V6
FST
TEOm
V3
23
F2
8B
24b
9/46d
46d
ENTO
F7
TEa/ma
TEO
Pro.St.
PBc
46v
STPi
TEad
F4
9
V1
SUBI
12
Area F5
2
SII
F3
3
24c
INSU
F1
44
1
8l
24d
8r
23
24b
ENTO
46v
TEpv
10
PERI
V1
TEMP
9
8m
TEpd
MB
32
V2
F6
SUBI
Pi
V6A
29/30
V6
V3
7m
25
F4
7B
ProM
12
Gu
OPRO
LIP
AIP
9/46v
F2
24a
OPAl
11
45B
TEav
13
5
46d
7A
TEa/ma
CORE
LB
8B
STPr
TEa/mp
PBr
F7
7op
9/46d
45A
STPi
TEOm
14
TH/TF
MIP
STPc
Area V4 , Case: 10
TEO
TEpd
V1
FST
TEOm
PERI
TEa/ma
TEav
IPa
PIP
STPi
V3A
MST
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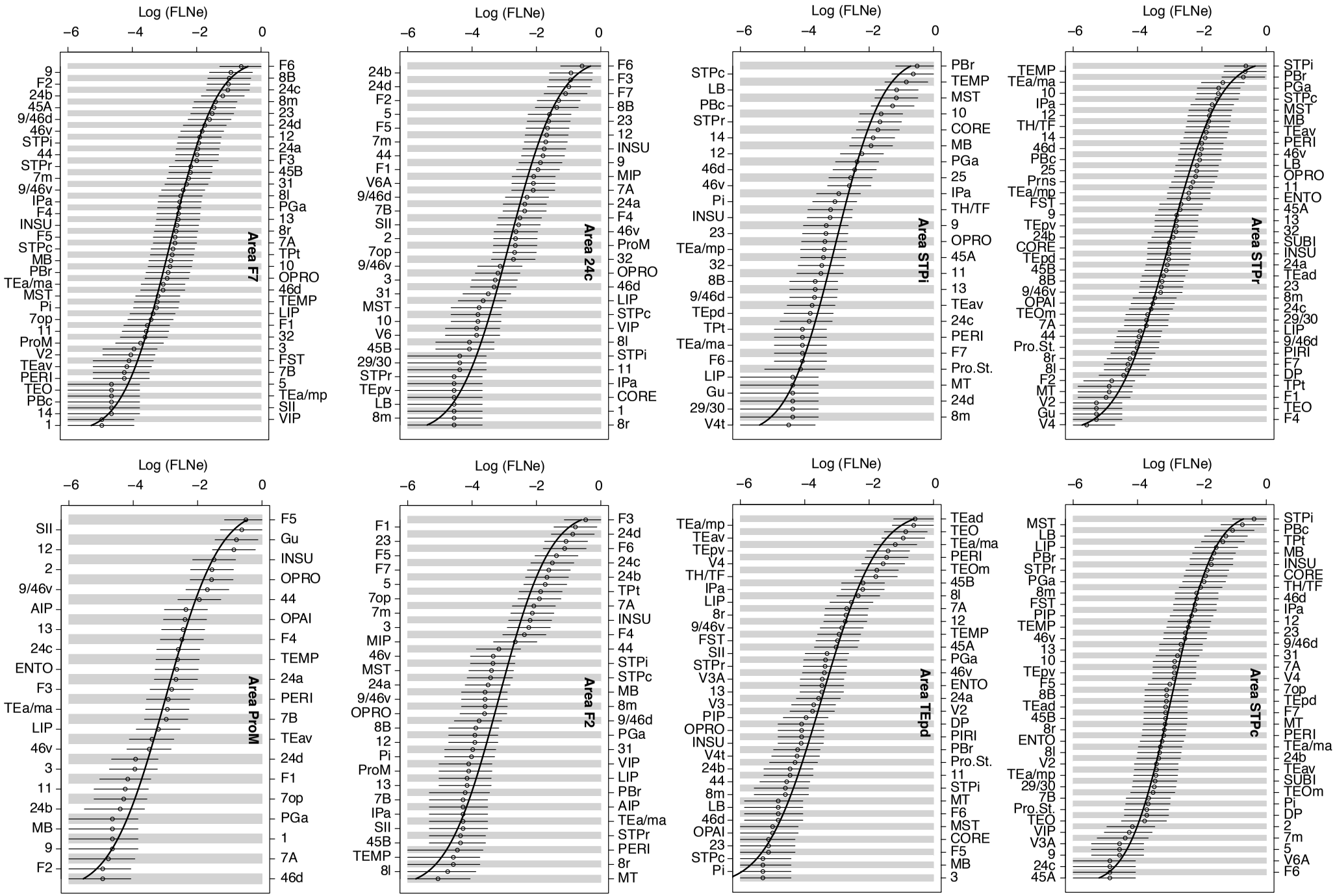
DP
9/46v
V2
MT
TEpv
V3
TH/TF
TEa/mp
V4t
TEad
8l
LIP
PGa
STPr
STPc
ENTO
7A
45B
LB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F2
24b
45A
9/46d
46v
STPi
44
STPr
7m
9/46v
IPa
F4
INSU
F5
STPc
MB
PBr
TEa/ma
MST
Pi
7op
11
ProM
V2
TEav
PERI
TEO
PBc
14
1
F6
8B
24c
8m
23
24d
12
24a
F3
45B
31
8l
PGa
13
8r
7A
TPt
10
OPRO
46d
TEMP
LIP
F1
32
3
FST
7B
5
TEa/mp
SII
VIP
Area 24c
24b
24d
F2
5
F5
7m
44
F1
V6A
9/46d
7B
SII
2
7op
9/46v
3
31
MST
10
V6
45B
29/30
STPr
TEpv
LB
8m
F6
F3
F7
8B
23
12
INSU
9
MIP
7A
24a
F4
46v
ProM
32
OPRO
46d
LIP
STPc
VIP
8l
STPi
11
IPa
CORE
1
8r
Area STPi
STPc
LB
PBc
STPr
14
12
46d
46v
Pi
INSU
23
TEa/mp
32
8B
9/46d
TEpd
TPt
TEa/ma
F6
LIP
Gu
29/30
V4t
PBr
TEMP
MST
10
CORE
MB
PGa
25
IPa
TH/TF
9
OPRO
45A
11
13
TEav
24c
PERI
F7
Pro.St.
MT
24d
8m
Area STPr
TEMP
TEa/ma
10
IPa
12
TH/TF
14
46d
PBc
25
Prns
TEa/mp
FST
9
TEpv
24b
CORE
TEpd
45B
8B
9/46v
OPAI
TEOm
7A
44
Pro.St.
8r
8l
F2
MT
V2
Gu
V4
STPi
PBr
PGa
STPc
MST
MB
TEav
PERI
46v
LB
OPRO
11
ENTO
45A
13
32
SUBI
INSU
24a
TEad
23
8m
24c
29/30
LIP
9/46d
PIRI
F7
DP
TPt
F1
TEO
F4
Area ProM
SII
12
2
9/46v
AIP
13
24c
ENTO
F3
TEa/ma
LIP
46v
3
11
24b
MB
9
F2
F5
Gu
INSU
OPRO
44
OPAI
F4
TEMP
24a
PERI
7B
TEav
24d
F1
7op
PGa
1
7A
46d
Area F2
F1
23
F5
F7
5
7op
7m
3
MIP
46v
MST
24a
9/46v
OPRO
8B
12
Pi
ProM
13
7B
IPa
SII
45B
TEMP
8l
F3
24d
F6
24c
24b
TPt
7A
INSU
F4
44
STPi
STPc
MB
8m
9/46d
PGa
31
VIP
LIP
PBr
AIP
TEa/ma
STPr
PERI
8r
MT
Area TEpd
TEa/mp
TEav
TEpv
V4
TH/TF
IPa
LIP
8r
9/46v
FST
SII
STPr
V3A
13
V3
PIP
OPRO
INSU
V4t
24b
44
8m
LB
46d
OPAI
23
STPc
Pi
TEad
TEO
TEa/ma
PERI
TEOm
45B
8l
7A
12
TEMP
45A
PGa
46v
ENTO
24a
V2
DP
PIRI
PBr
Pro.St.
11
STPi
MT
F6
MST
CORE
F5
MB
3
Area STPc
MST
LB
LIP
PBr
STPr
PGa
8m
FST
PIP
TEMP
46v
13
10
TEpv
F5
8B
TEad
45B
8r
ENTO
8l
V2
TEa/mp
29/30
7B
Pro.St.
TEO
VIP
V3A
9
24c
45A
STPi
PBc
TPt
MB
INSU
CORE
TH/TF
46d
IPa
12
23
9/46d
31
7A
V4
7op
TEpd
F7
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TEa/ma
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TEav
SUBI
TEOm
Pi
DP
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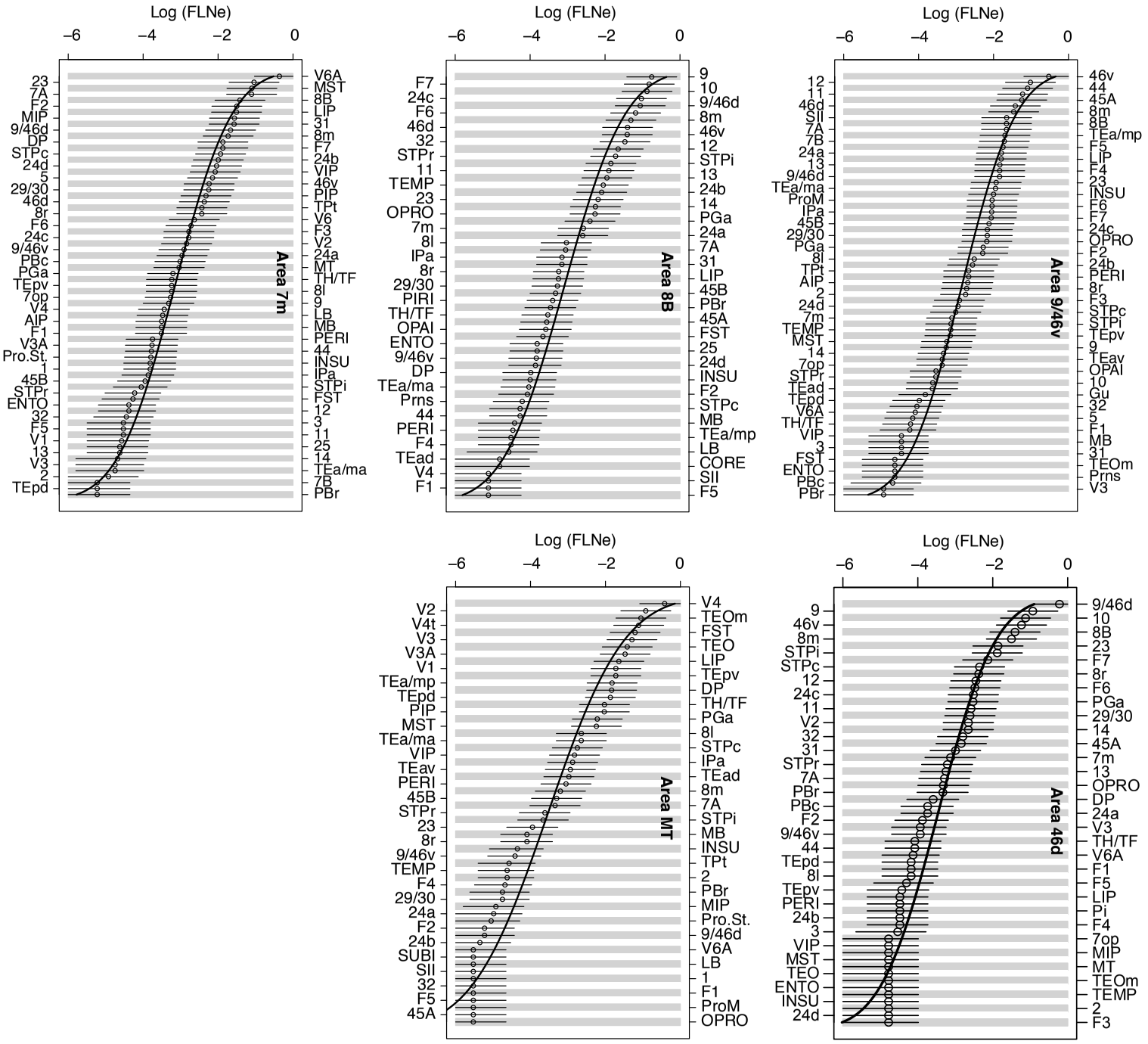
7m
5
V6A
F6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−4
−2
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23
7A
F2
MIP
9/46d
DP
STPc
24d
5
29/30
46d
8r
F6
24c
9/46v
PBc
PGa
TEpv
7op
V4
AIP
F1
V3A
Pro.St.
1
45B
STPr
ENTO
32
F5
V1
13
V3
2
TEpd
V6A
MST
8B
LIP
31
8m
F7
24b
VIP
46v
PIP
TPt
V6
F3
V2
24a
MT
TH/TF
8l
9
LB
MB
PERI
44
INSU
IPa
STPi
FST
12
3
11
25
14
TEa/ma
7B
PBr
Area 8B
F7
24c
F6
46d
32
STPr
11
TEMP
23
OPRO
7m
8l
IPa
8r
29/30
PIRI
TH/TF
OPAI
ENTO
9/46v
DP
TEa/ma
Prns
44
PERI
F4
TEad
V4
F1
9
10
9/46d
8m
46v
12
STPi
13
24b
14
PGa
24a
7A
31
LIP
45B
PBr
45A
FST
25
24d
INSU
F2
STPc
MB
TEa/mp
LB
CORE
SII
F5
Area 9/46v
12
11
46d
SII
7A
7B
24a
13
9/46d
TEa/ma
ProM
IPa
45B
29/30
PGa
8l
TPt
AIP
2
24d
7m
TEMP
MST
14
7op
STPr
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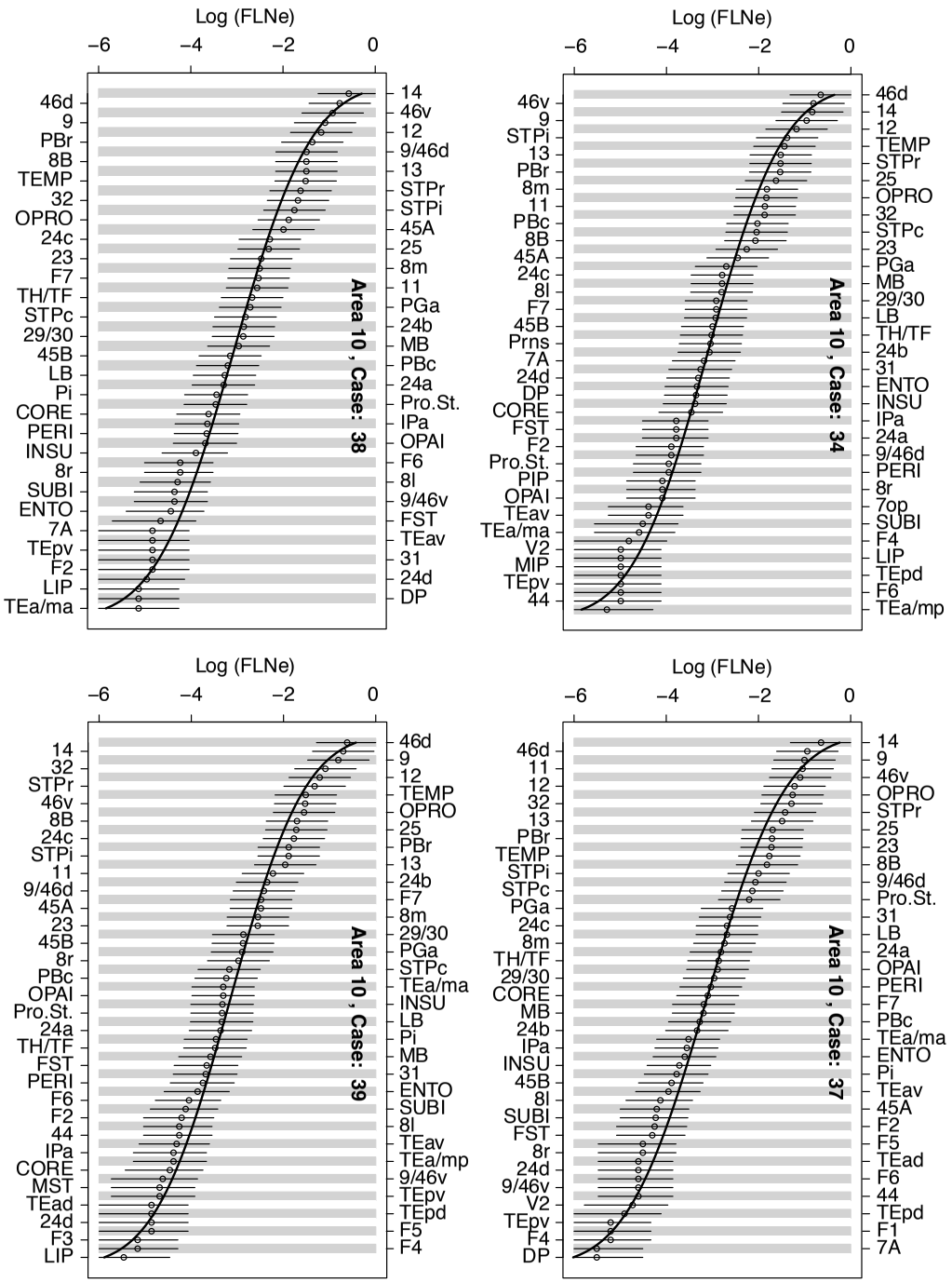
TEpd
V6A
TH/TF
VIP
3
FST
ENTO
PBc
PBr
46v
44
45A
8m
8B
TEa/mp
F5
LIP
F4
23
INSU
F6
F7
24c
OPRO
F2
24b
PERI
8r
F3
STPc
STPi
TEpv
9
TEav
OPAI
10
Gu
32
5
F1
MB
31
TEOm
Prns
V3
Area MT
V2
V4t
V3
V3A
V1
TEa/mp
TEpd
PIP
MST
TEa/ma
VIP
TEav
PERI
45B
STPr
23
8r
9/46v
TEMP
F4
29/30
24a
F2
24b
SUBI
SII
32
F5
45A
V4
TEOm
FST
TEO
LIP
TEpv
DP
TH/TF
PGa
8l
STPc
IPa
TEad
8m
7A
STPi
MB
INSU
TPt
2
PBr
MIP
Pro.St.
9/46d
V6A
LB
1
F1
ProM
OPRO
Area 46d
9
46v
8m
STPi
STPc
12
24c
11
V2
32
31
STPr
7A
PBr
PBc
F2
9/46v
44
TEpd
8l
TEpv
PERI
24b
3
VIP
MST
TEO
ENTO
INSU
24d
9/46d
10
8B
23
F7
8r
F6
PGa
29/30
14
45A
7m
13
OPRO
DP
24a
V3
TH/TF
V6A
F1
F5
LIP
Pi
F4
7op
MIP
MT
TEOm
TEMP
2
F3


Log (FLNe)
−6
−4
−2
0
46d
9
PBr
8B
TEMP
32
OPRO
24c
23
F7
TH/TF
STPc
29/30
45B
LB
Pi
CORE
PERI
INSU
8r
SUBI
ENTO
7A
TEpv
F2
LIP
TEa/ma
14
46v
12
9/46d
13
STPr
STPi
45A
25
8m
11
PGa
24b
MB
PBc
24a
Pro.St.
IPa
OPAI
F6
8l
9/46v
FST
TEav
31
24d
DP
Area 10 , Case: 38
Log (FLNe)
−6
−4
−2
0
46v
9
STPi
13
PBr
8m
11
PBc
8B
45A
24c
8l
F7
45B
Prns
7A
24d
DP
CORE
FST
F2
Pro.St.
PIP
OPAI
TEav
TEa/ma
V2
MIP
TEpv
44
46d
14
12
TEMP
STPr
25
OPRO
32
STPc
23
PGa
MB
29/30
LB
TH/TF
24b
31
ENTO
INSU
IPa
24a
9/46d
PERI
8r
7op
SUBI
F4
LIP
TEpd
F6
TEa/mp
Area 10 , Case: 34
Log (FLNe)
−6
−4
−2
0
14
32
STPr
46v
8B
24c
STPi
11
9/46d
45A
23
45B
8r
PBc
OPAI
Pro.St.
24a
TH/TF
FST
PERI
F6
F2
44
IPa
CORE
MST
TEad
24d
F3
LIP
46d
9
12
TEMP
OPRO
25
PBr
13
24b
F7
8m
29/30
PGa
STPc
TEa/ma
INSU
LB
Pi
MB
31
ENTO
SUBI
8l
TEav
TEa/mp
9/46v
TEpv
TEpd
F5
F4
Area 10 , Case: 39
Log (FLNe)
−6
−4
−2
0
46d
11
12
32
13
PBr
TEMP
STPi
STPc
PGa
24c
8m
TH/TF
29/30
CORE
MB
24b
IPa
INSU
45B
8l
SUBI
FST
8r
24d
9/46v
V2
TEpv
F4
DP
14
9
46v
OPRO
STPr
25
23
8B
9/46d
Pro.St.
31
LB
24a
OPAI
PERI
F7
PBc
TEa/ma
ENTO
Pi
TEav
45A
F2
F5
TEad
F6
44
TEpd
F1
7A
Area 10 , Case: 37

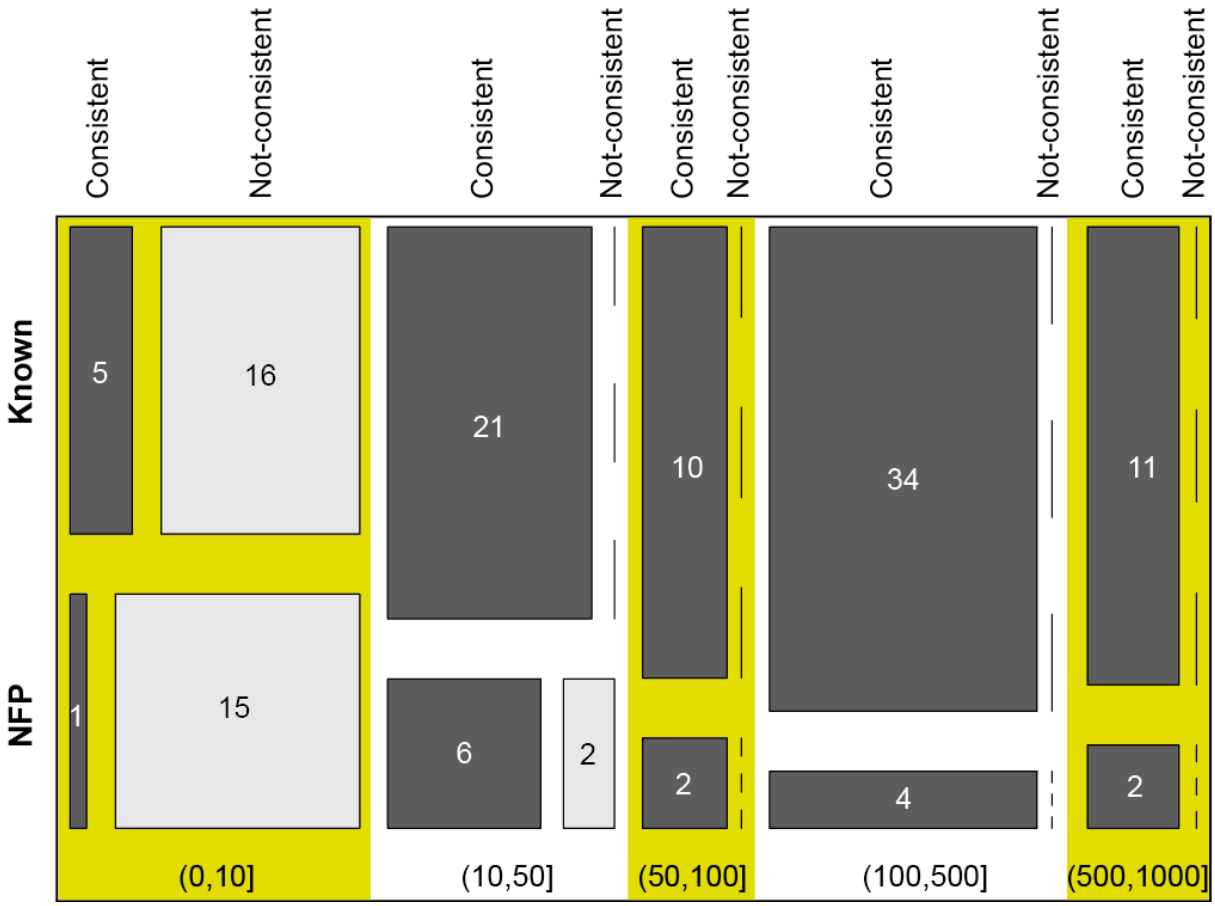
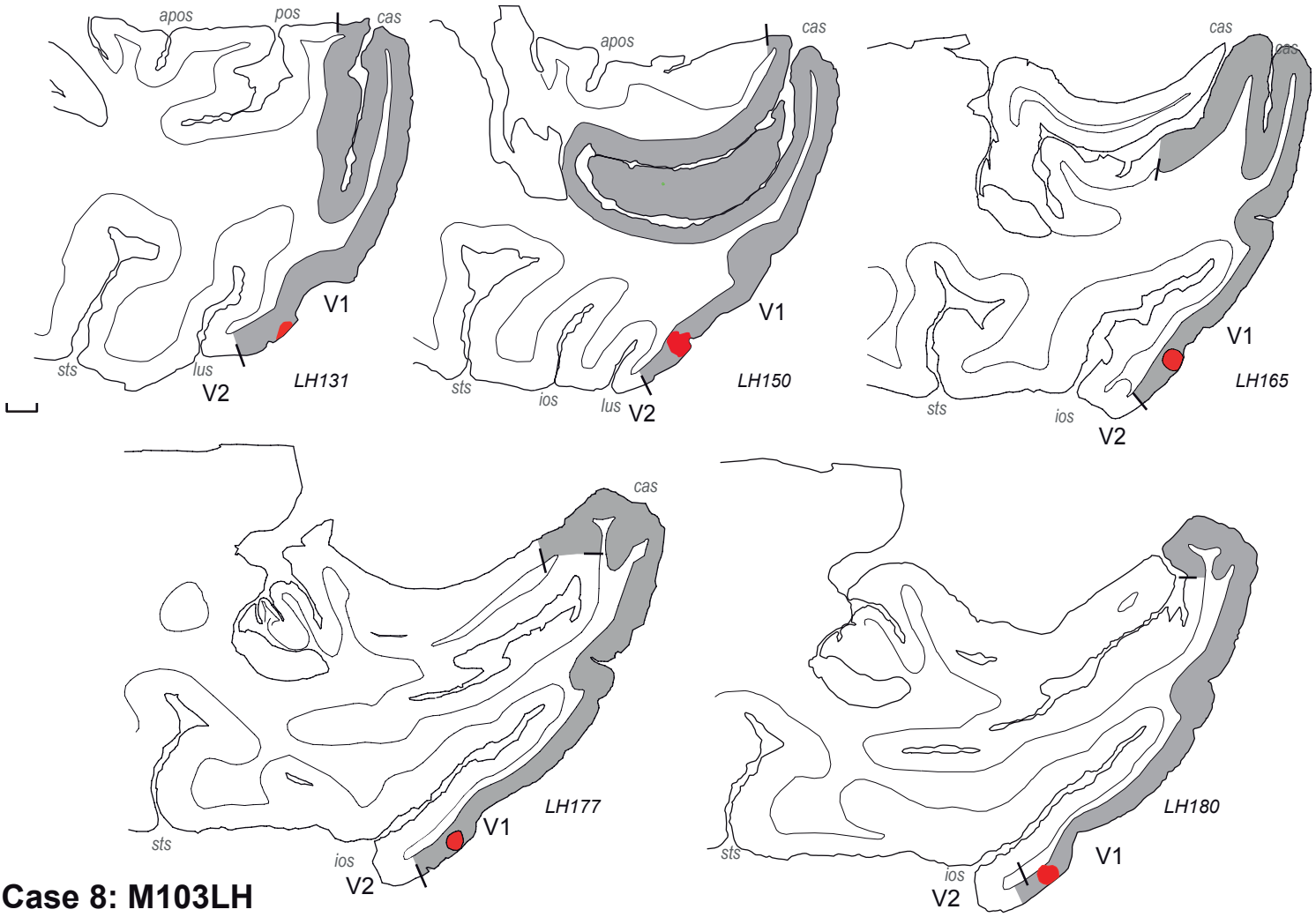


Figure S5 - Comparison of the consistency of newfound projections (NFP) and Known projections.

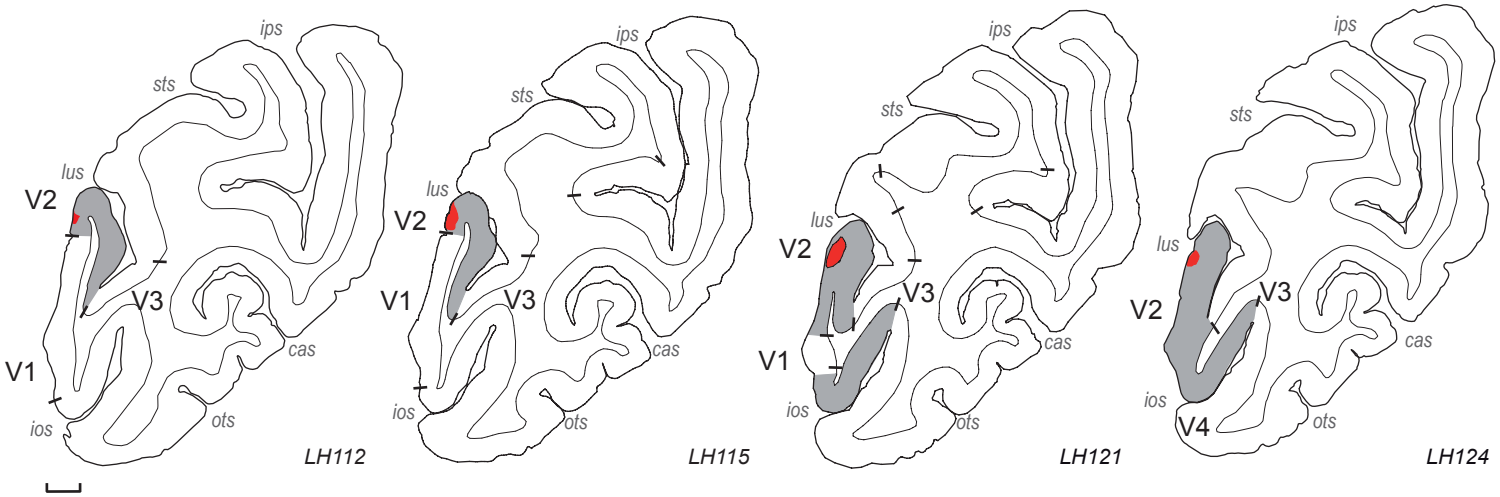
A mosaic plot (Friendly, 1994) illustrating the relative frequencies of Known and NFP for consistent and non-consistent projections as a function of the mean number of neurons for the injection sites at which multiple injections were performed (V1, V2, V4 and 10). For each range of counts, the block are arranged by consistent/Not-consistent (dark grey/light grey) and Known/NFP (upper/lower). The area of each block is proportional to the number areas of the given category. If no area falls within a given category, it is represented as a vertical dashed line. The numbers within indicate the actual number of areas. Globally these figure shows that at equal weights the consistency of NFP and known projections are similar.

Figure S6 - Injection sites in 29 injections

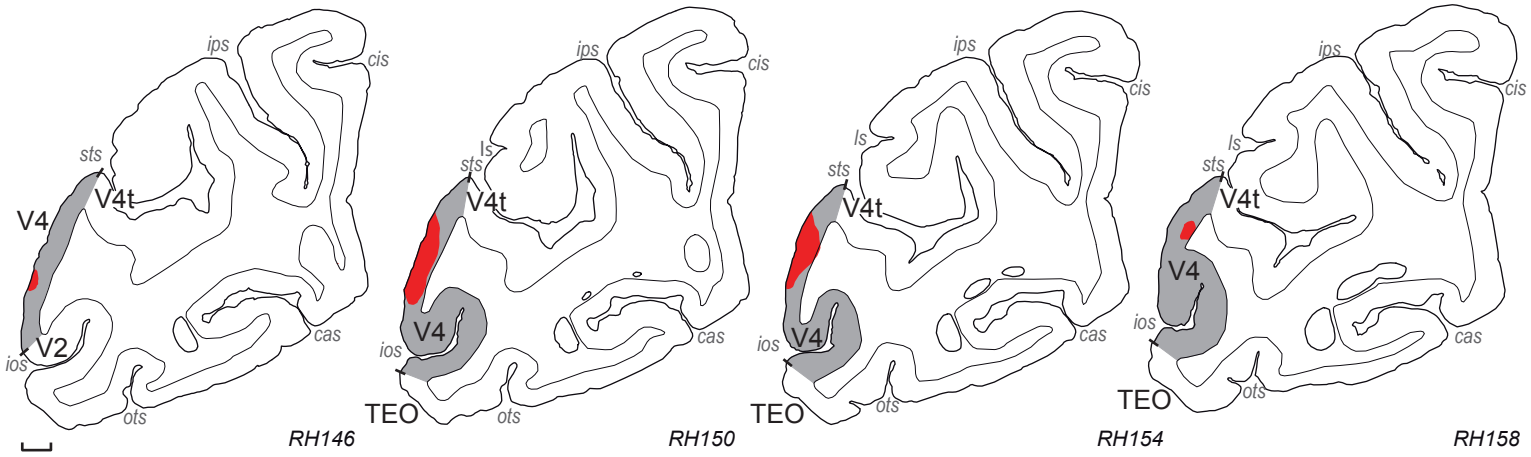
Case 1: M081LH



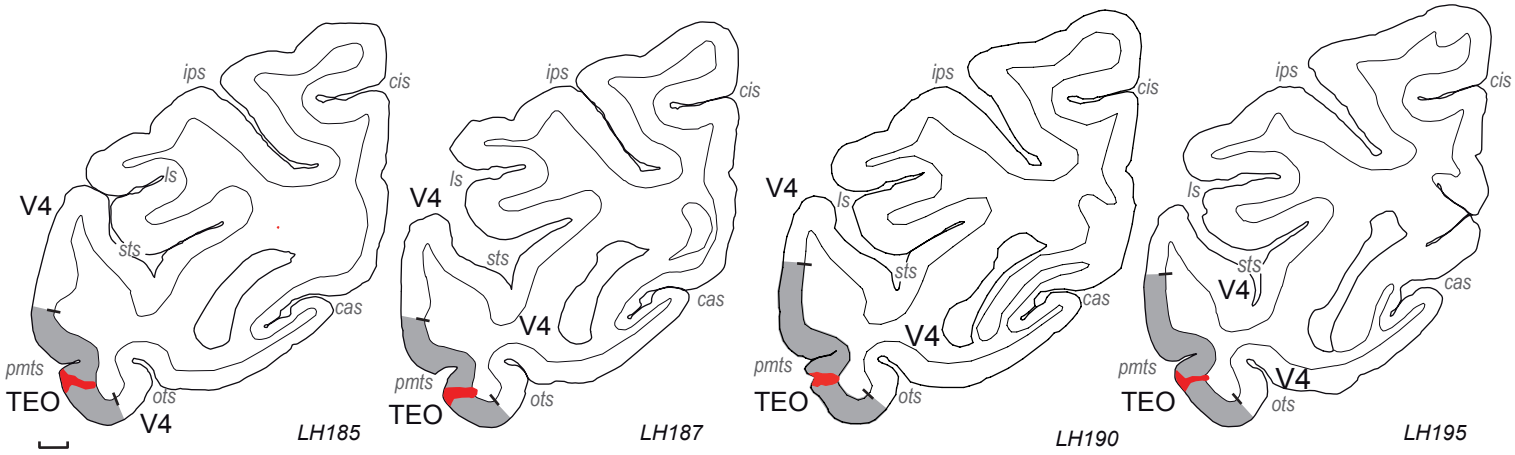
Case 8: M103LH



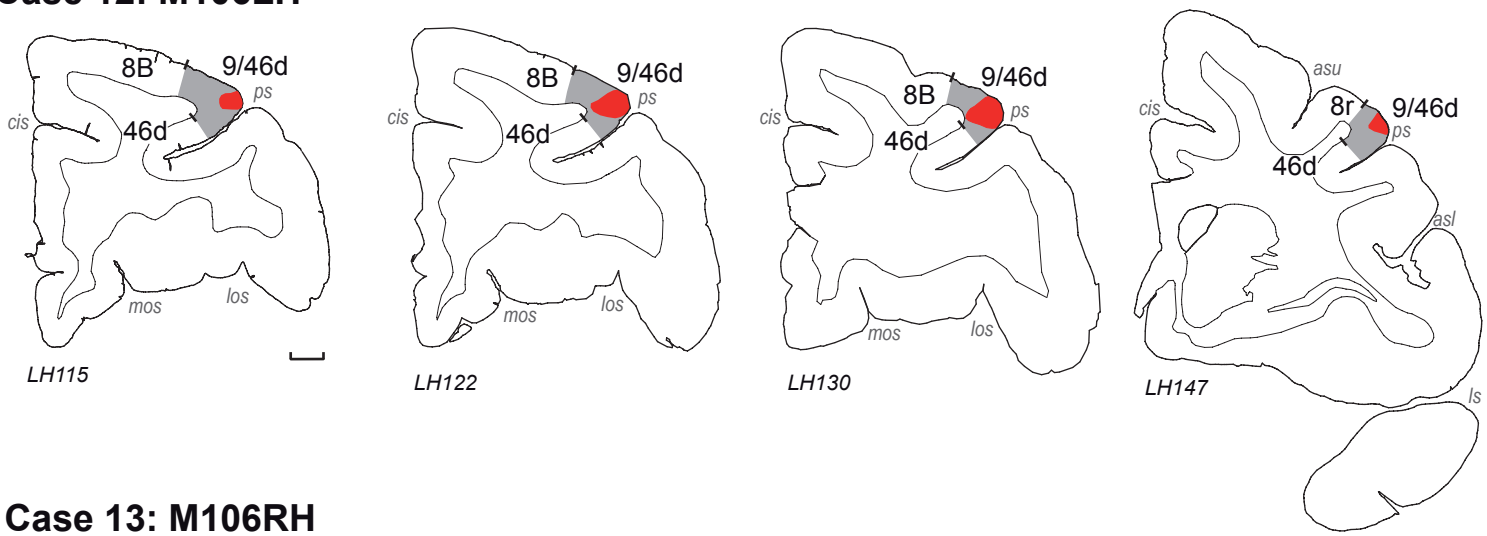
Case 9: M121RH



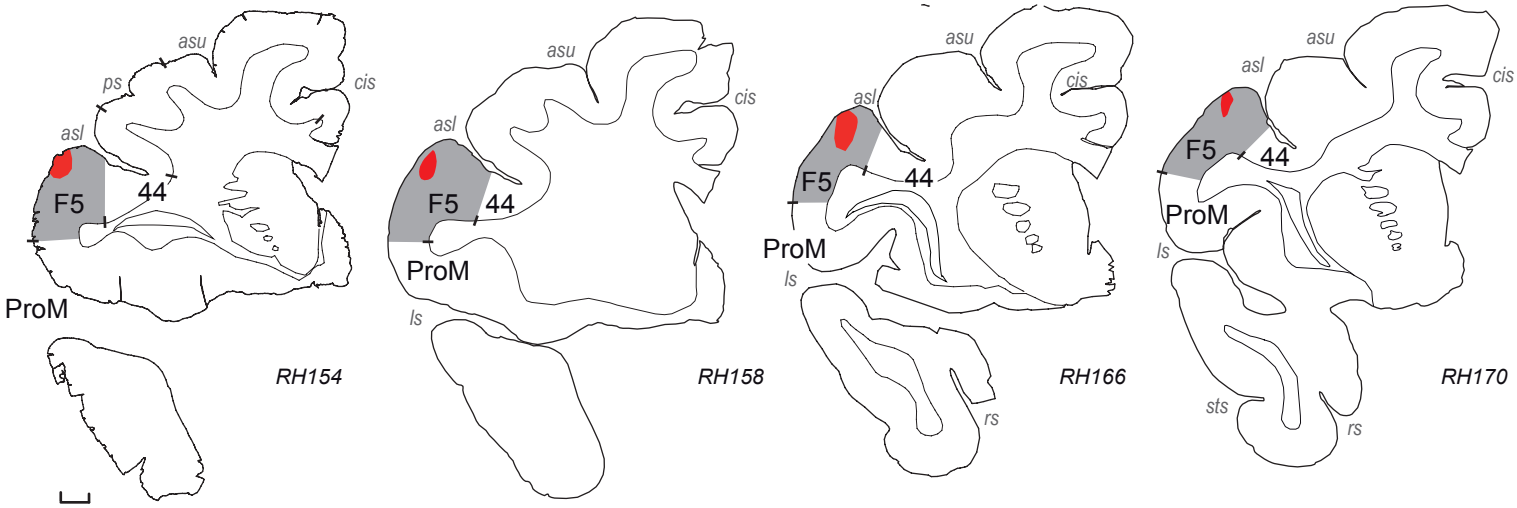
Case 11: M119LH



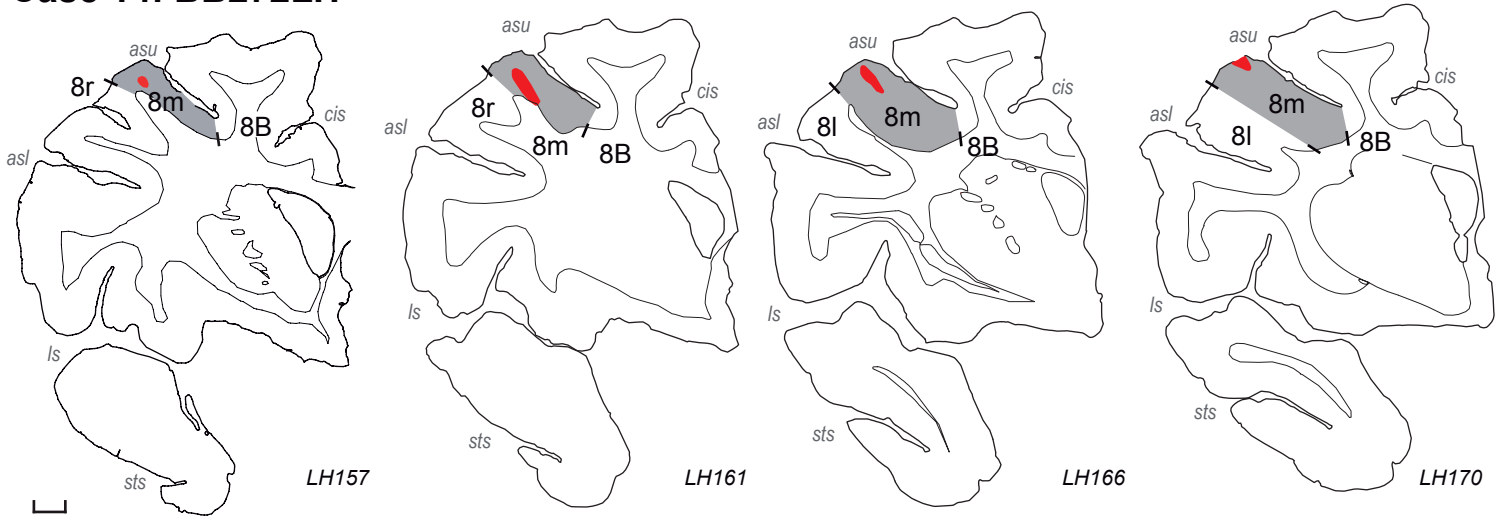
Case 12: M106LH



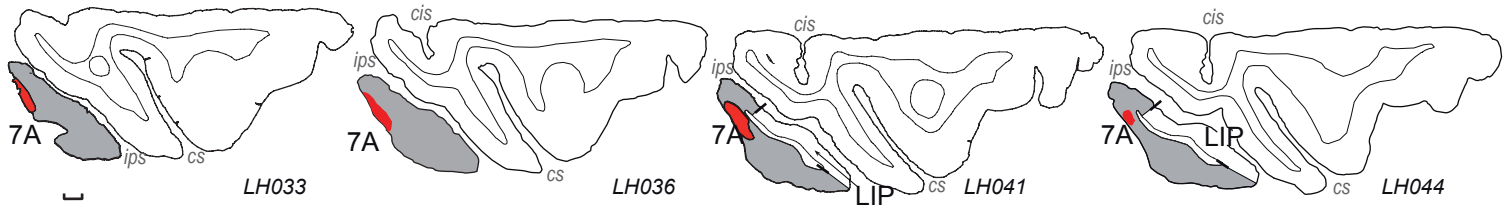
Case 13: M106RH



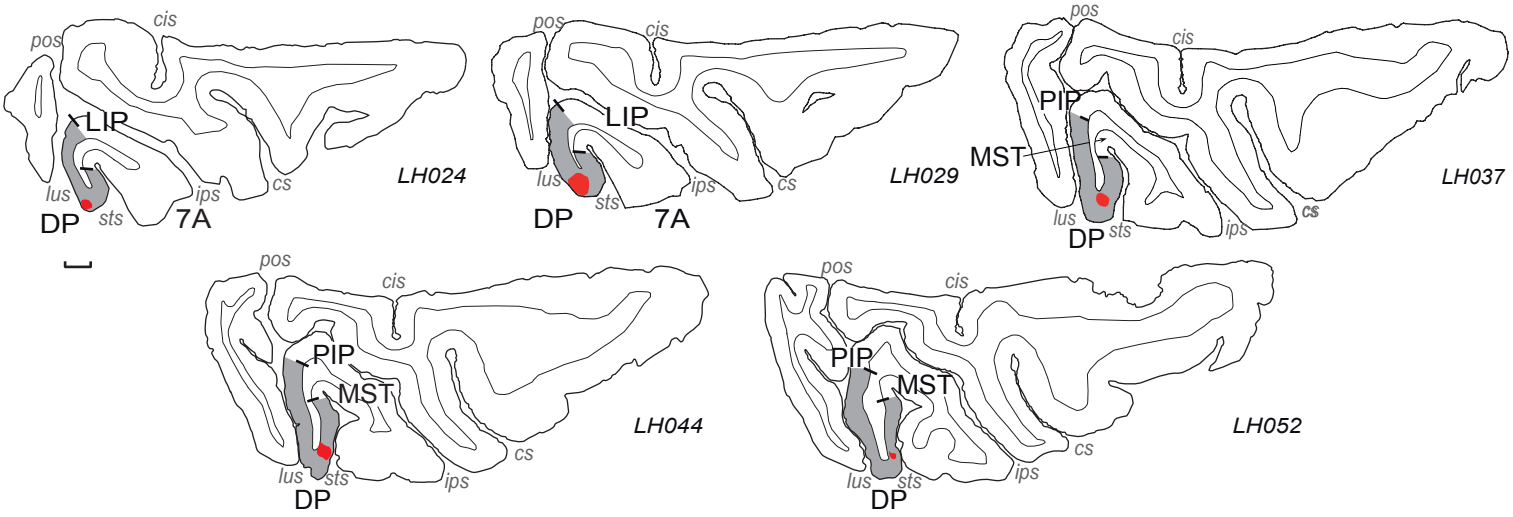
Case 14: BB272LH



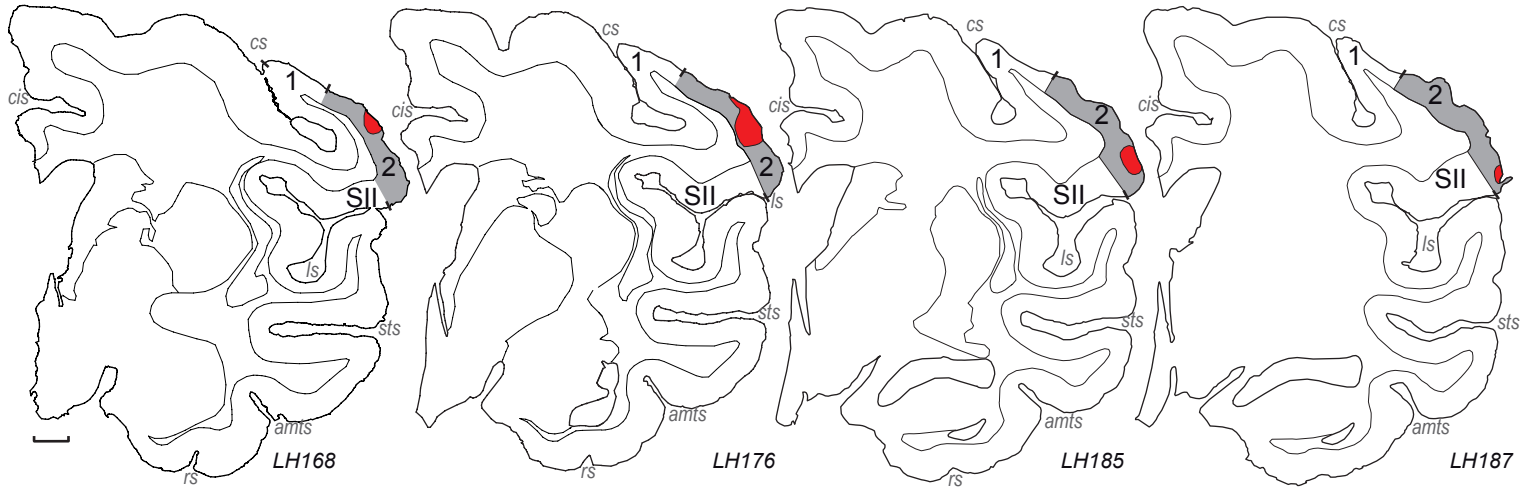
Case 15: BB135LH



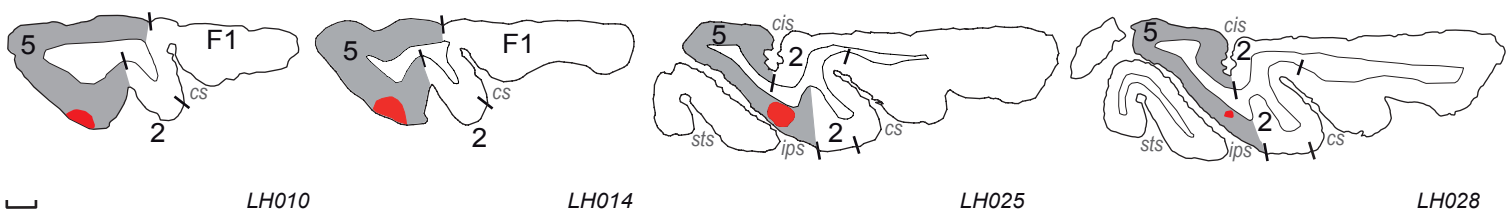
Case 16: M089LH



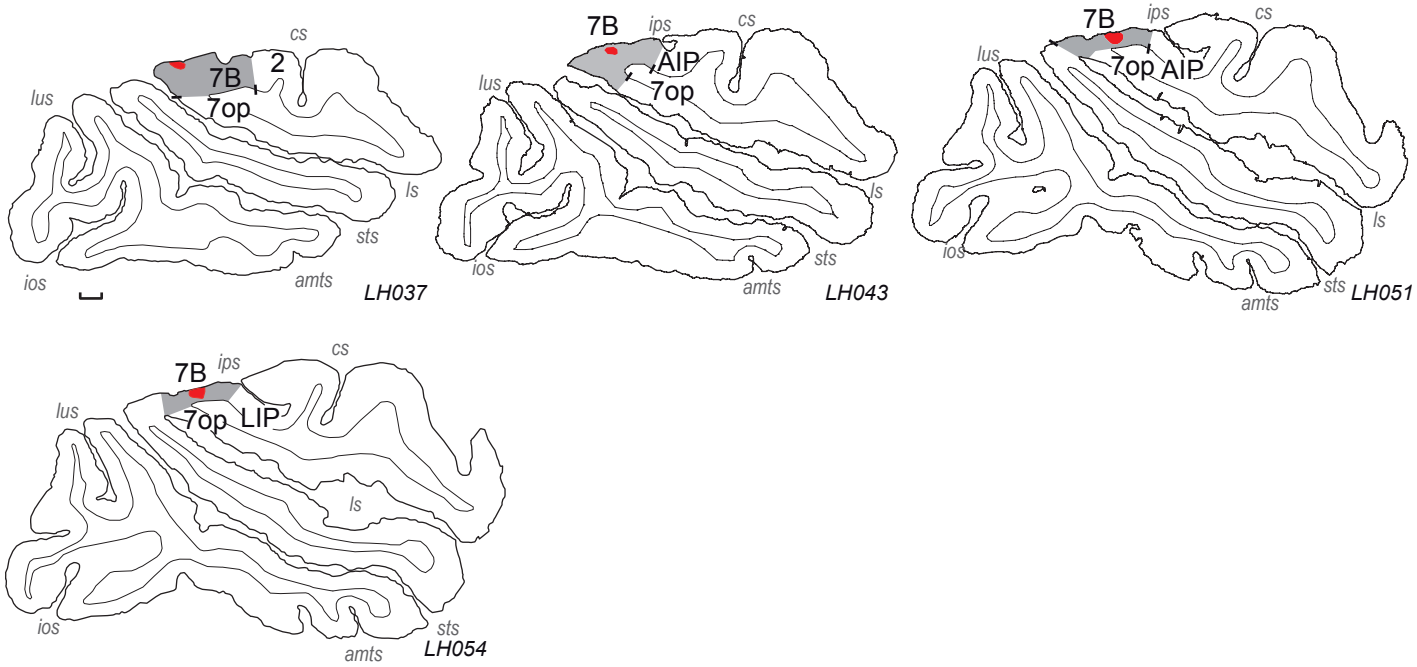
Case 17: M098LH



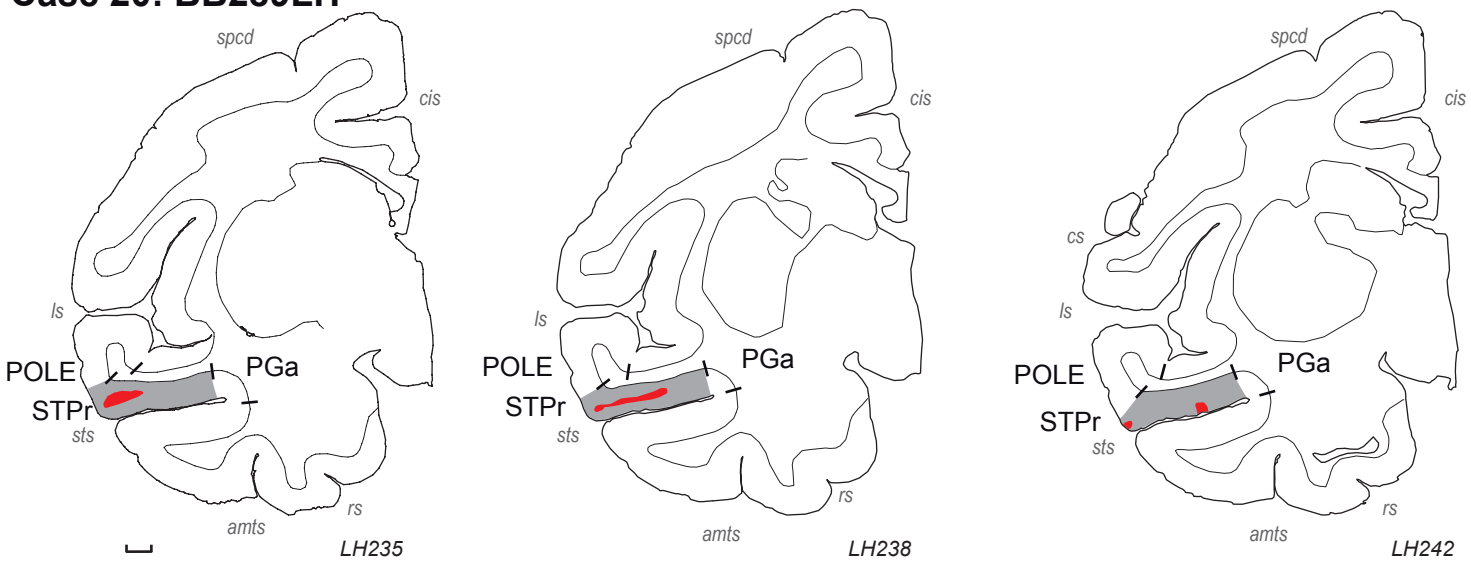
Case 18: M070LH



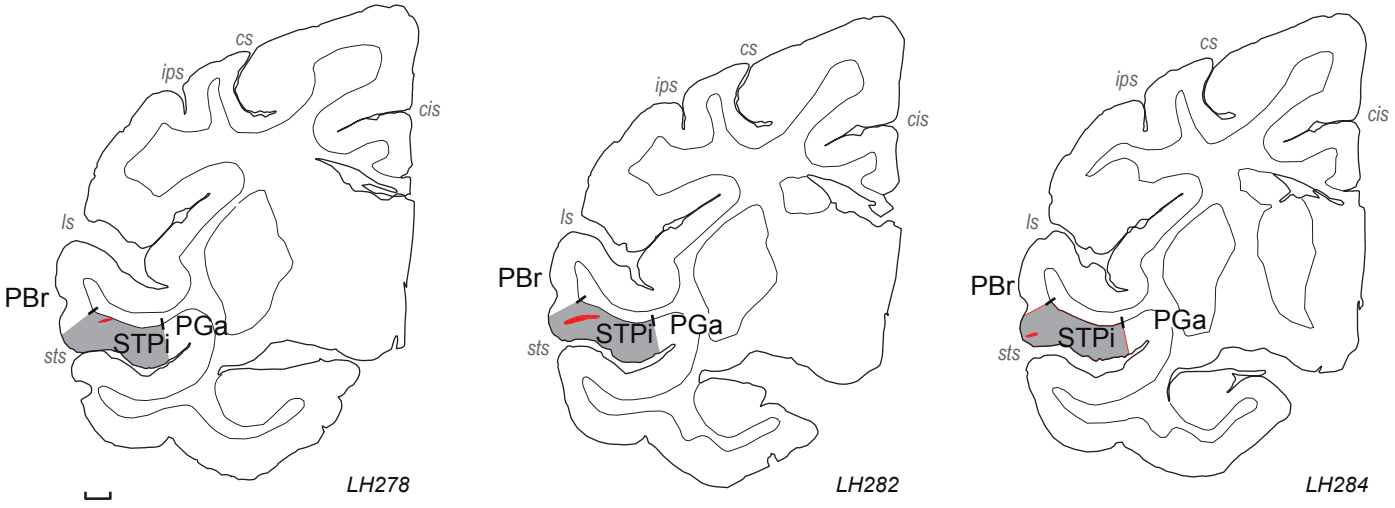
Case 19: M068LH



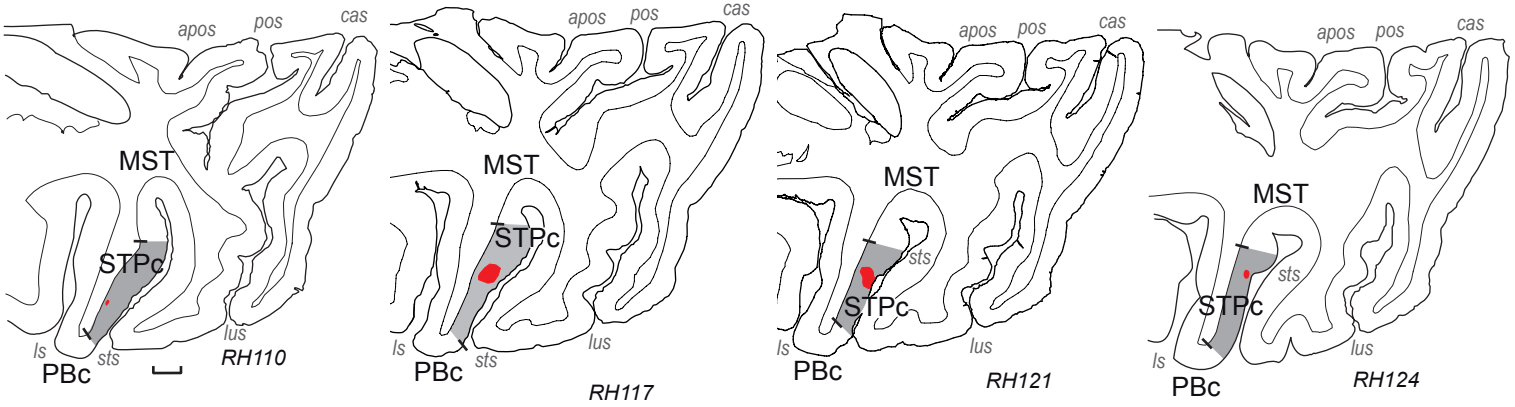
Case 20: BB289LH



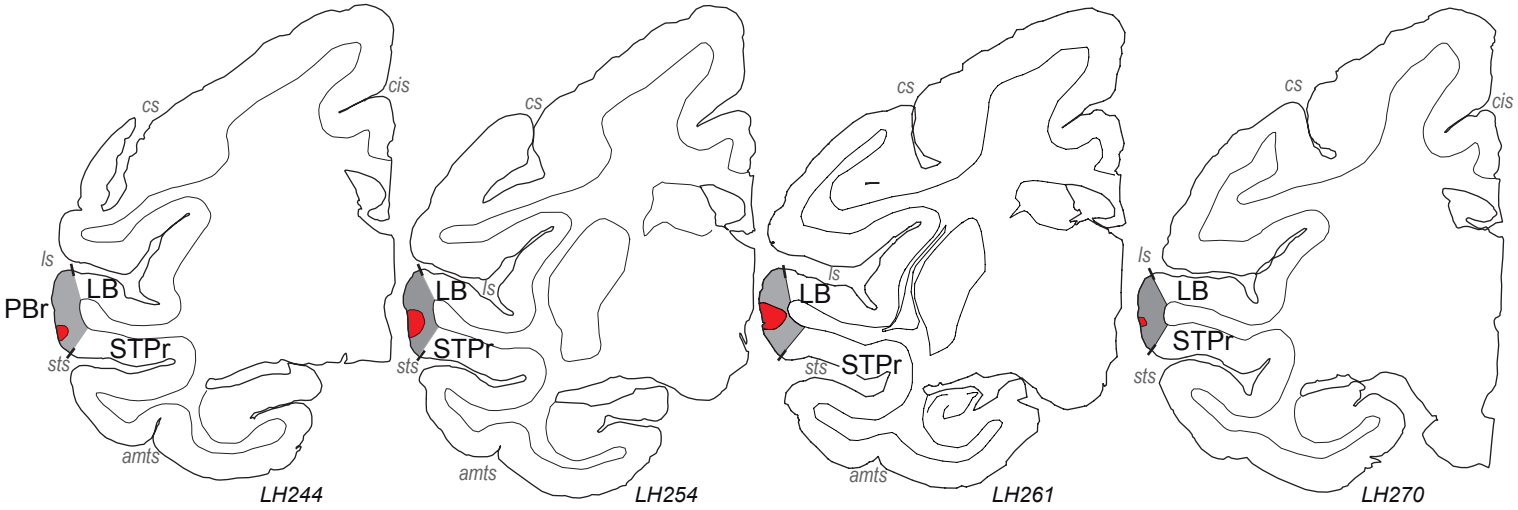
Case 21: BB289LH



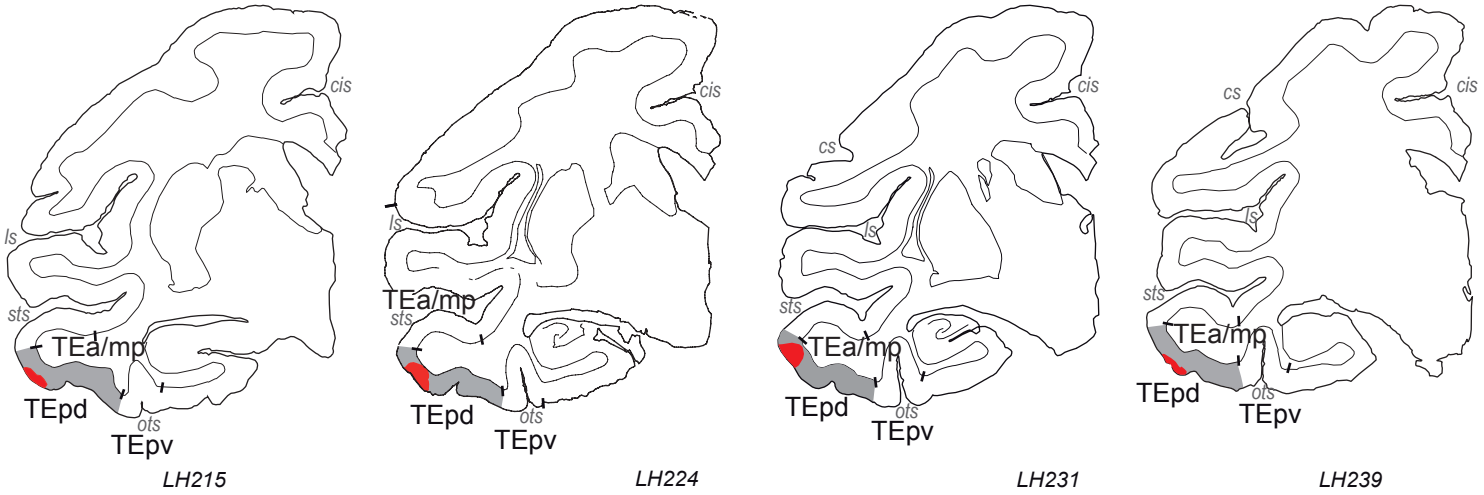
Case 22: M090RH



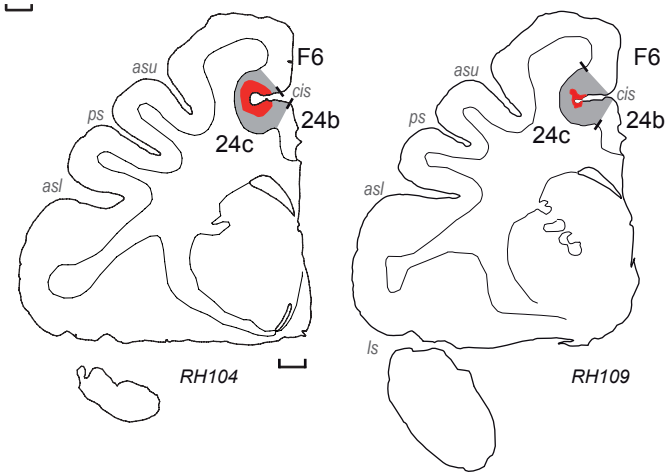
Case 23: M108LH



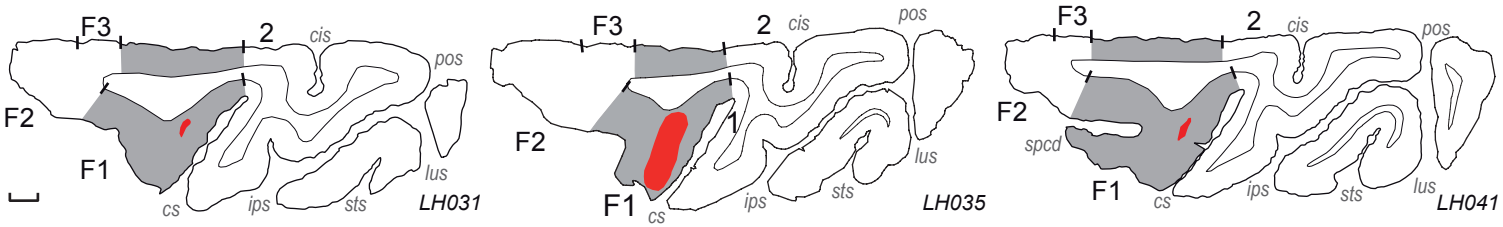
Case 24: M128LH



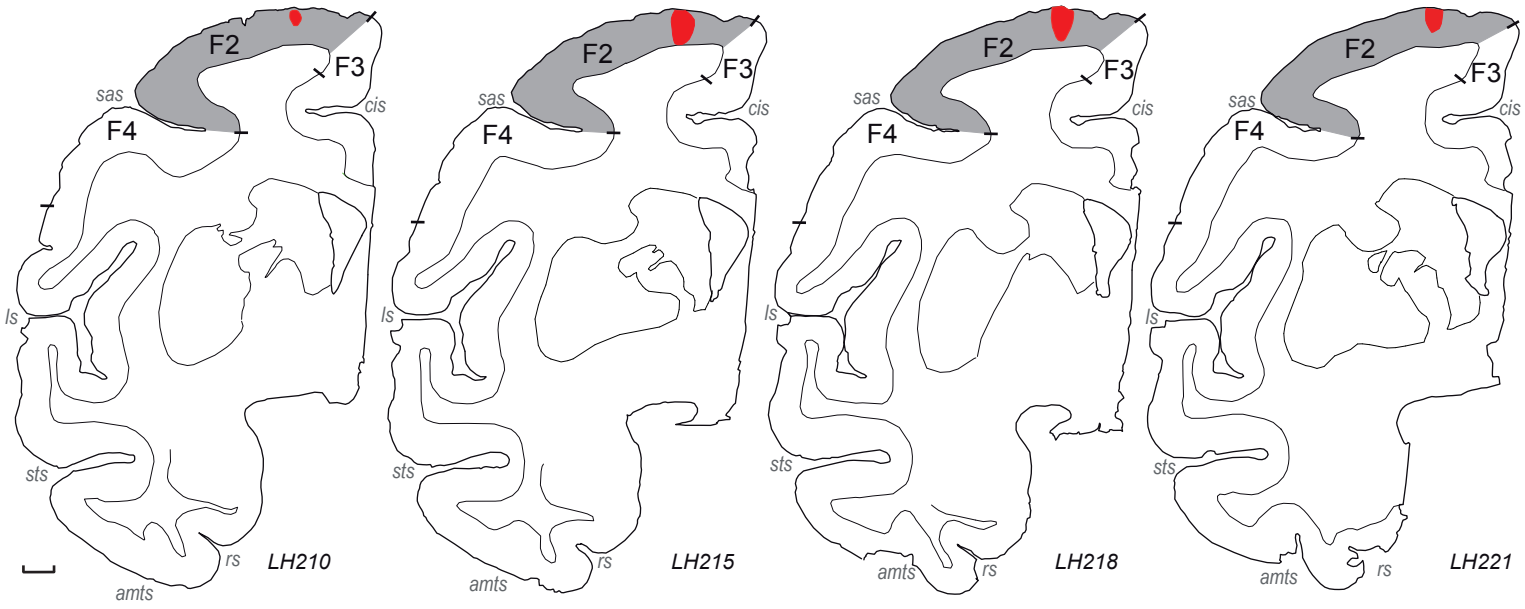
Case 25: NICO RH



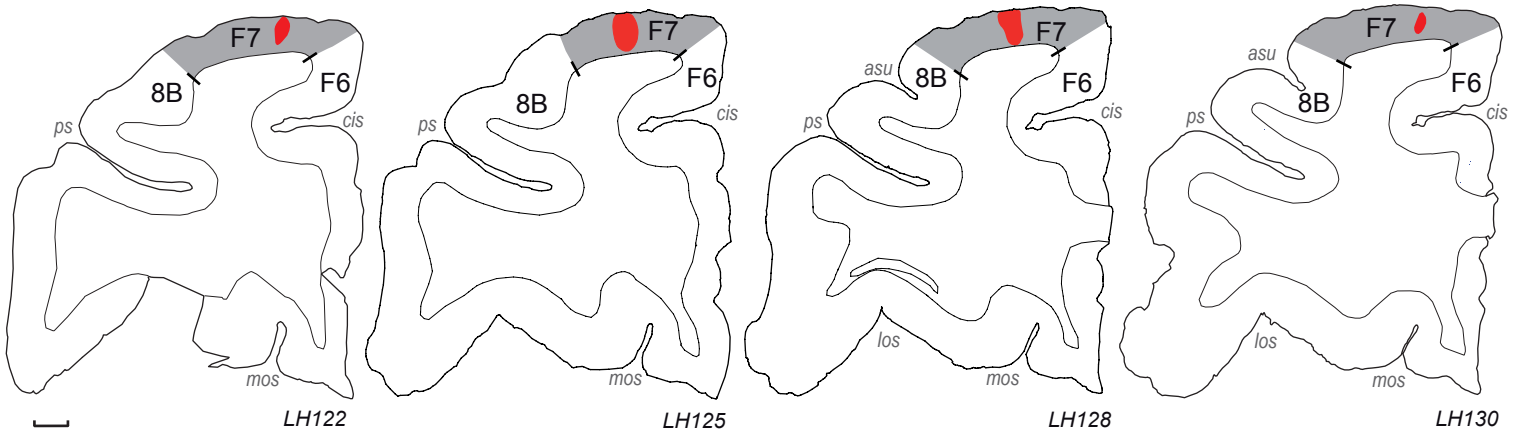
Case 26: M069LH



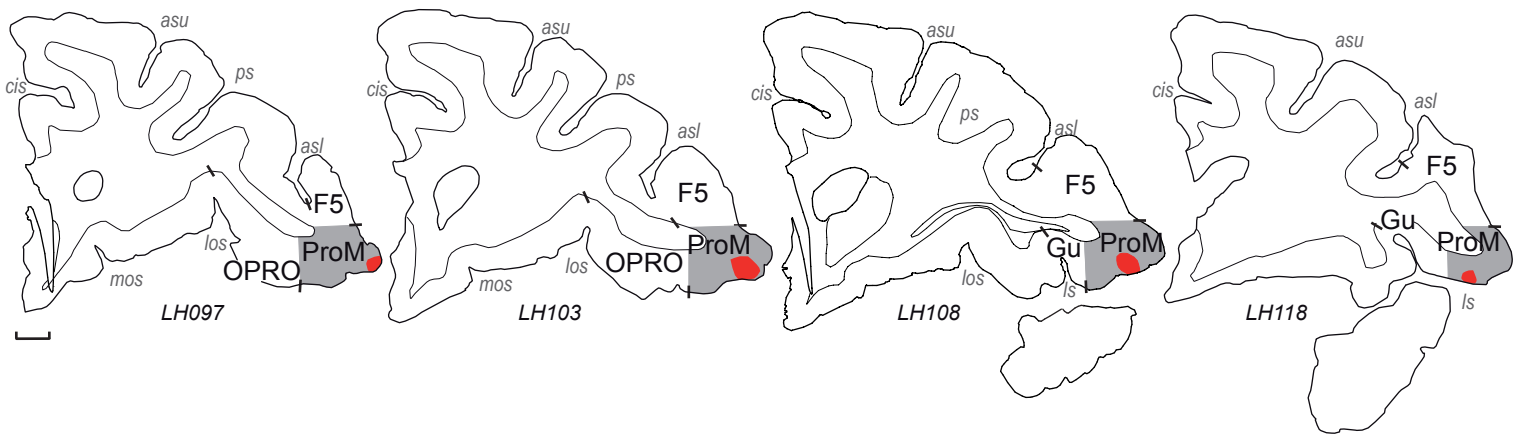
Case 27: M102LH



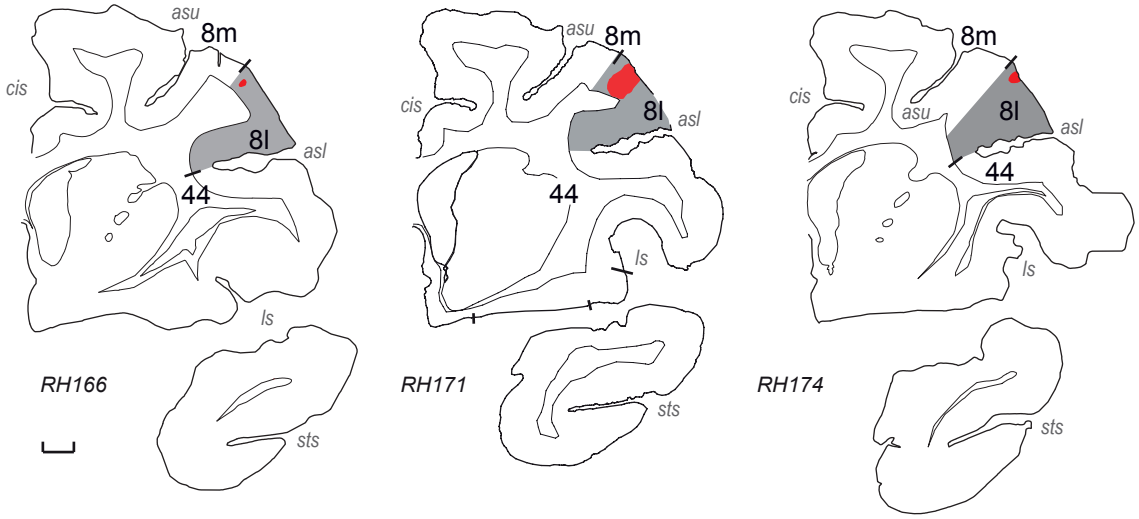
Case 28: M102LH



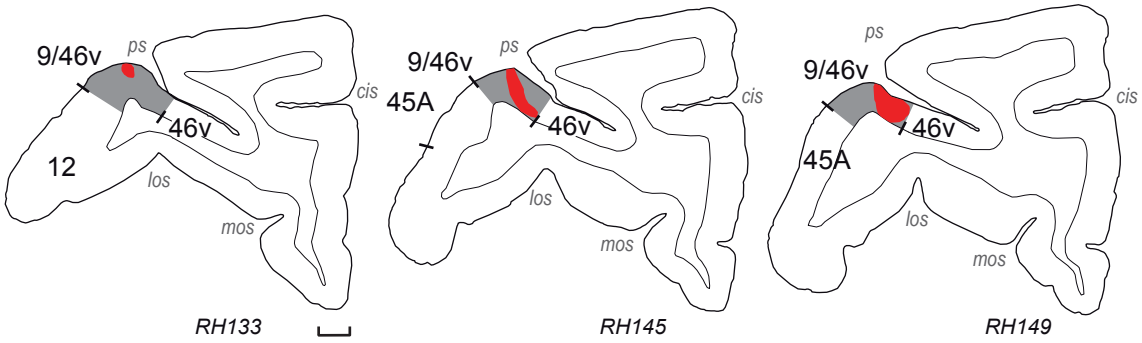
Case 29: M098LH



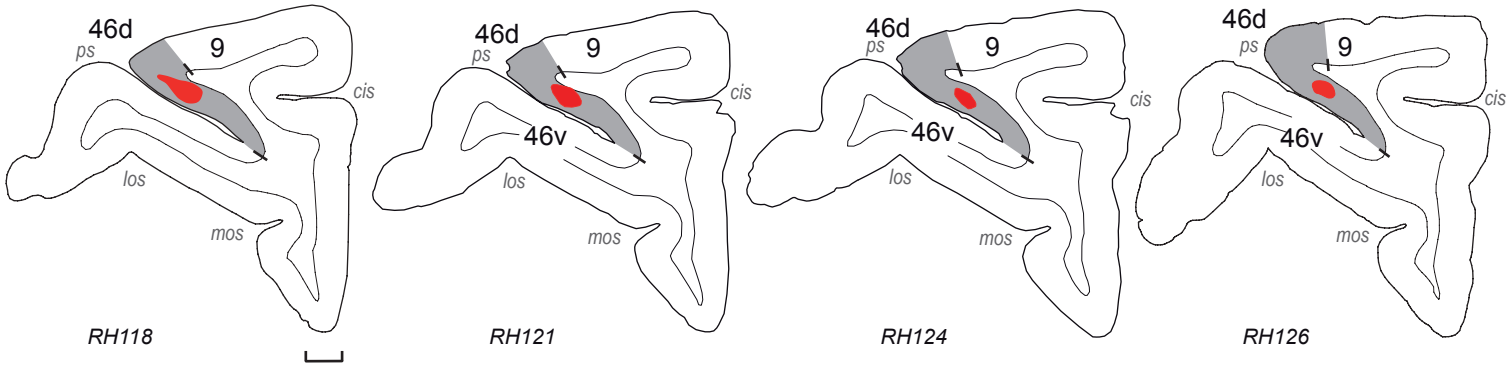
Case 30: BB272RH



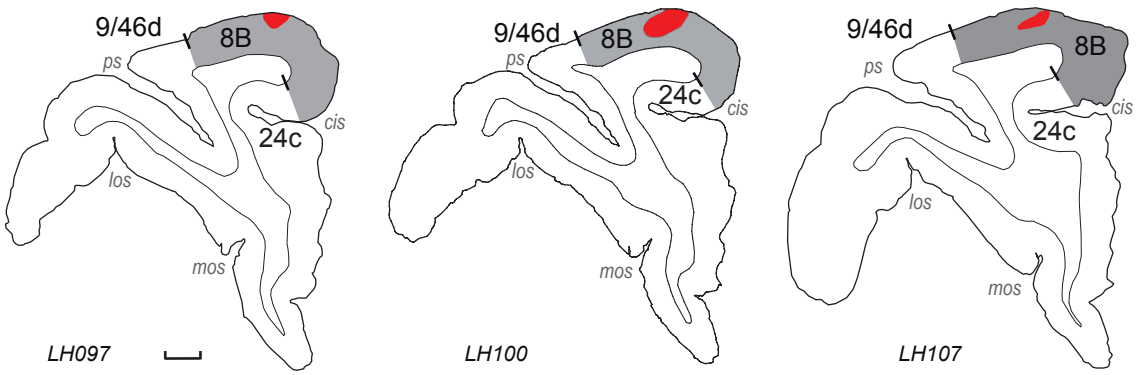
Case 31: M116RH



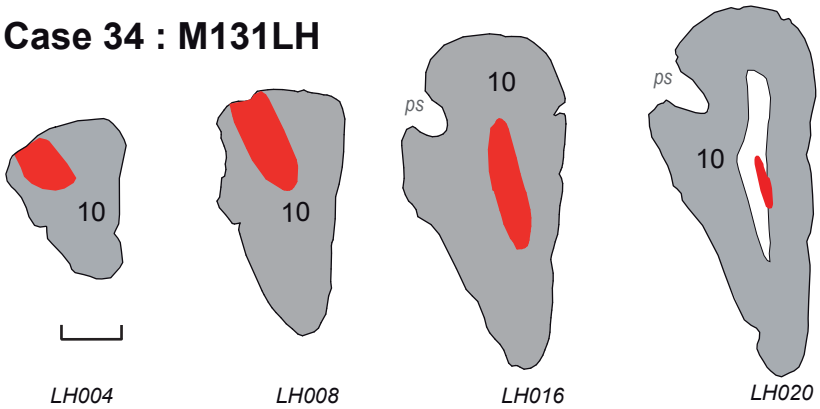
Case 32: M116RH



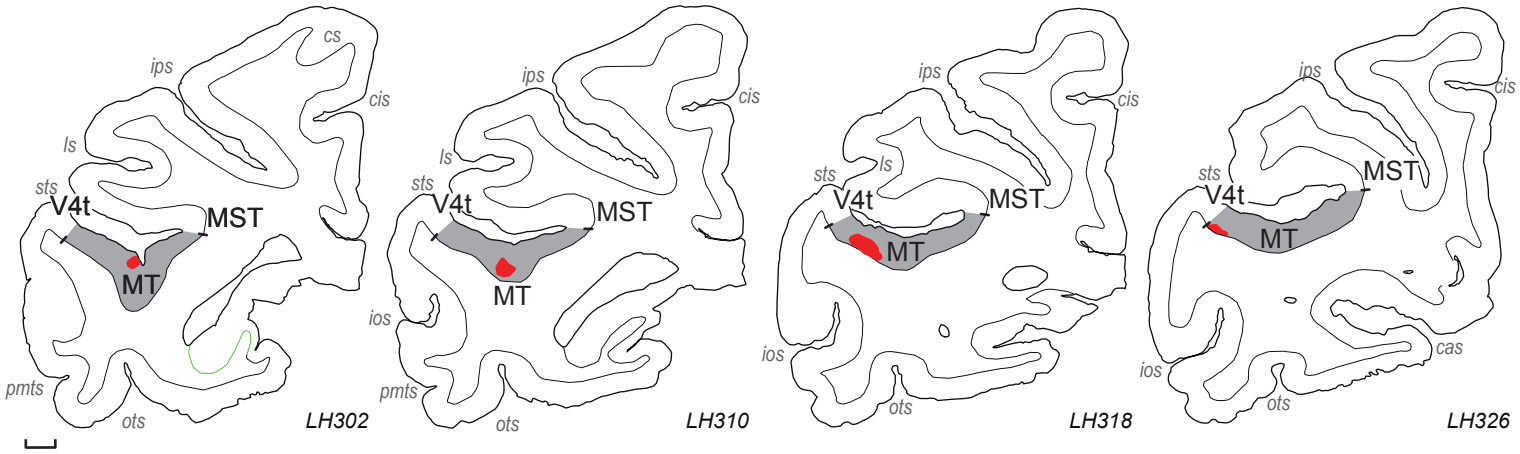
Case 33: M128LH



Case 34 : M131LH



Case 35 : M133LH



Case 36 : M136LH

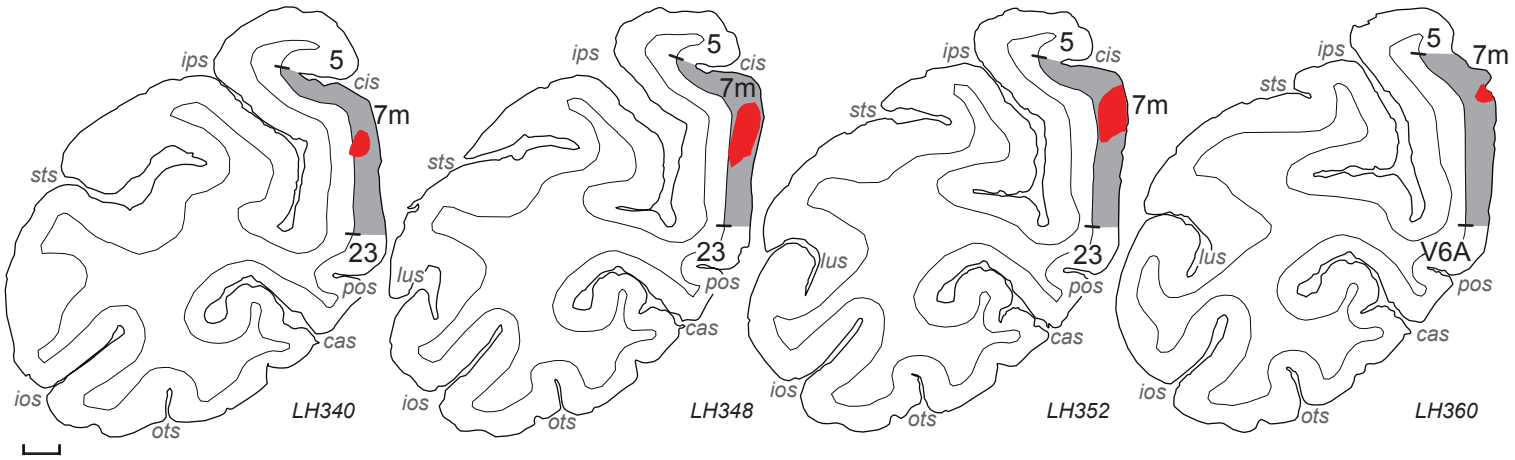


Figure S7 - Atlas
The atlas uses one section in four of the sections retained for examination of retrograde labelling (see methods)

ATLAS MACAQUE CYNOMOLGUS

(macaca fascicularis)

CORONAL
1/4

Inserm U846

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AIP	anterior intraparietal area	Fig. 62 - 68
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DP	dorsal prelunate area	Fig. 88 - 96
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OPRO	orbital proisocortex	Fig. 27 - 32
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Gu	gustatory cortex	Fig. 27 - 33
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8m	medial part of area 8	Fig. 27 - 42
24a	area 24a	Fig. 27 - 52
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TEav	area TE, anterior-ventral part	Fig. 32 - 50
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Core	core region of the auditory cortex	Fig. 34 - 69
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MB	medial belt	Fig. 34 - 73

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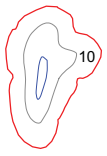
cs	central sulcus
ots	occipito-temporal sulcus
ips	intraparietal sulcus
pmts	posterior middle temporal sulcus
cas	calcarine sulcus
ios	inferior occipital sulcus
lus	lunate sulcus
col	collateral sulcus
pos	parieto-occipital slucus

M132 LH

Page #	Slice #	Distance between slices	Page #	Slice #	Distance between slices
1	468		59	236	480
2	464	480	60	232	480
3	460	480	61	228	480
4	456	480	62	224	480
5	452	480	63	220	480
6	448	480	64	216	480
7	444	480	65	212	480
8	440	480	66	208	480
9	436	480	67	204	480
10	432	480	68	200	480
11	428	480	69	196	480
12	424	480	70	192	480
13	420	480	71	188	480
14	416	480	72	184	480
15	413	360	73	180	480
16	408	600	74	176	480
17	404	480	75	172	480
18	400	480	76	168	480
19	395	600	77	164	480
20	392	360	78	160	480
21	387	600	79	156	480
22	384	360	80	152	480
23	380	480	81	148	480
24	376	480	82	144	480
25	372	480	83	140	480
26	368	480	84	136	480
27	364	480	85	132	480
28	360	480	86	128	480
29	356	480	87	124	480
30	352	480	88	120	480
31	349	360	89	116	480
32	344	600	90	112	480
33	340	480	91	108	480
34	336	480	92	104	480
35	332	480	93	100	480
36	328	480	94	96	480
37	324	480	95	92	480
38	320	480	96	88	480
39	316	480	97	84	480
40	312	480	98	80	480
41	308	480	99	76	480
42	304	480	100	72	480
43	300	480	101	68	480
44	296	480	102	64	480
45	292	480	103	60	480
46	288	480	104	56	480
47	284	480	105	52	480
48	280	480	106	48	480
49	276	480	107	44	480
50	272	480	108	40	480
51	268	480	109	36	480
52	264	480	110	32	480
53	260	480	111	28	480
54	256	480	112	24	480
55	252	480	113	20	480
56	248	480	114	16	480
57	244	480	115	12	480
58	240	480	116	8	480
			117	4	480



4000 µm

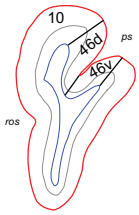
p. 02

4000 µm

p. 03

4000 µm

p. 04



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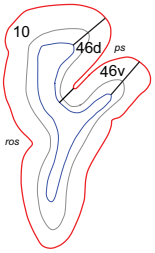
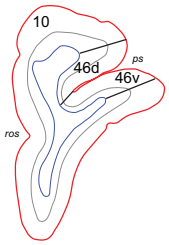
p. 05



4000 µm

p. 06



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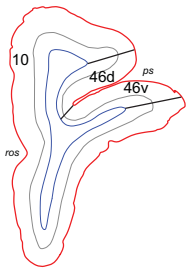
p. 07



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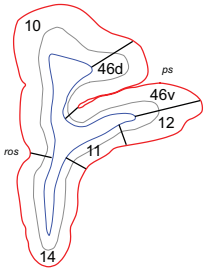
p. 08



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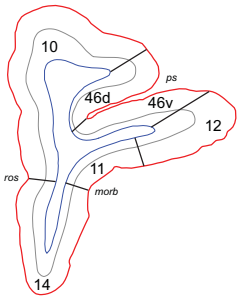
p. 09



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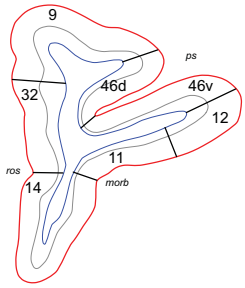
p. 10



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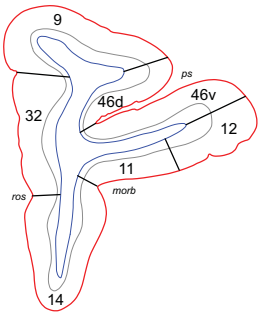
p. 11



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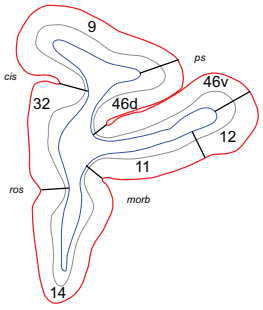
p. 12



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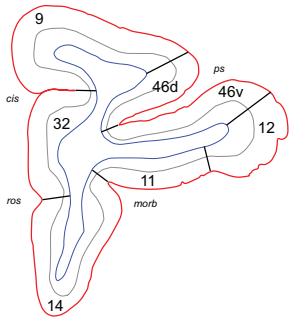
p. 13



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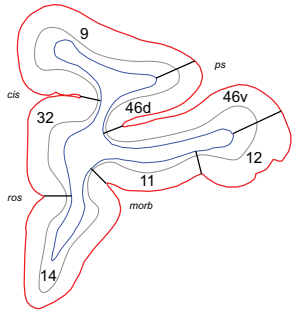
p. 14



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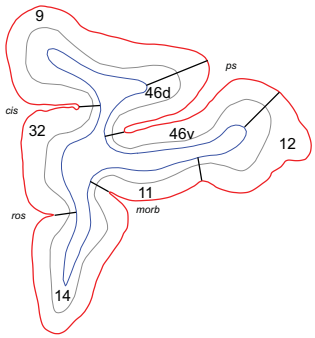
p. 15



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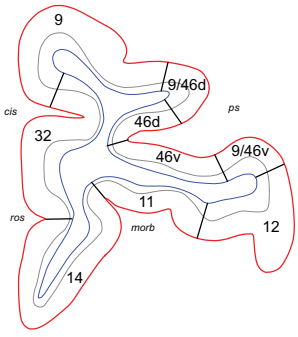
p. 16



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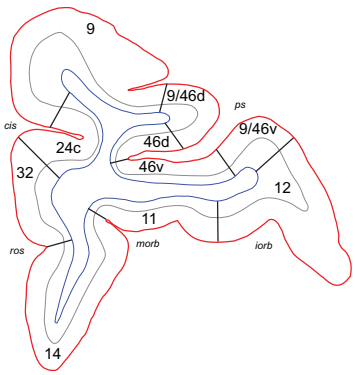
p. 17



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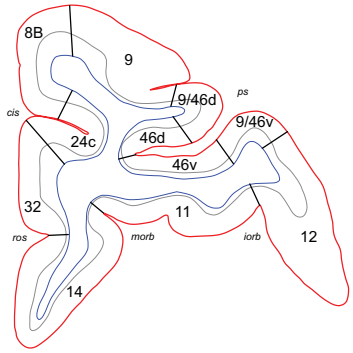

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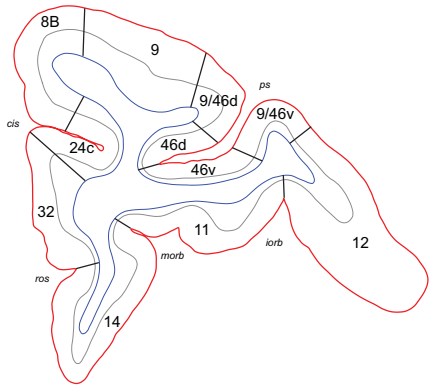
p. 19



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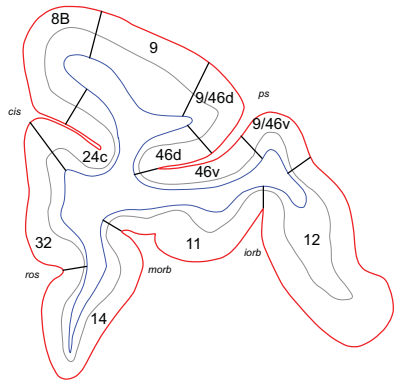
p. 20



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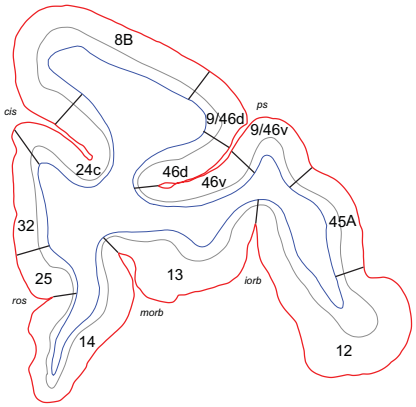
p. 21



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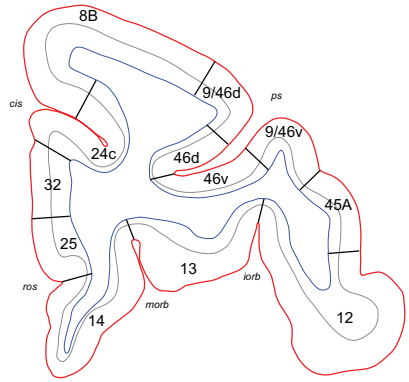
p. 22



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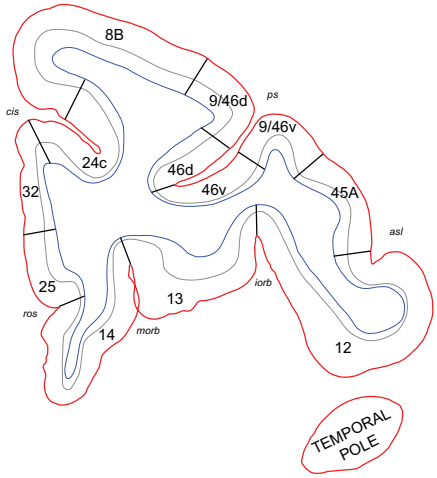
p. 23



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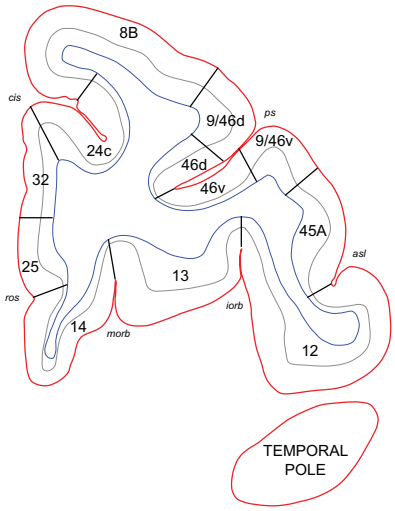
p. 24



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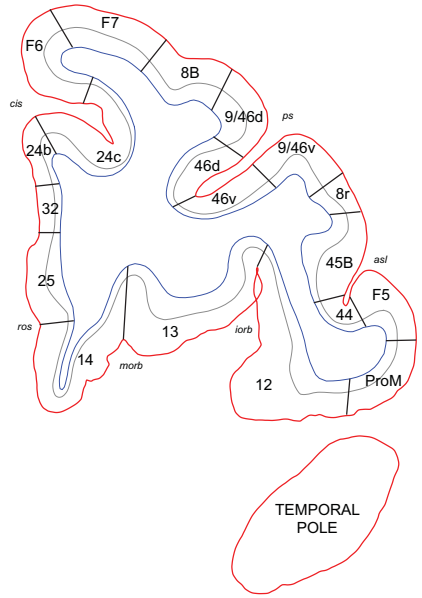
p. 25



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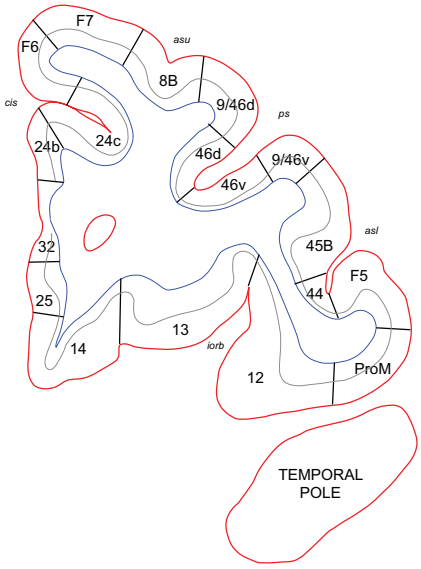
p. 26



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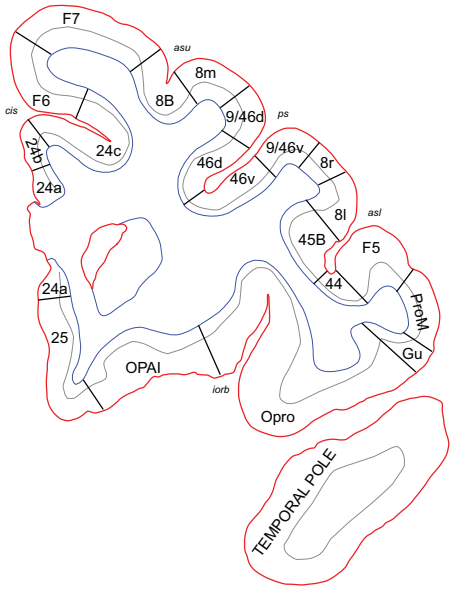
p. 27



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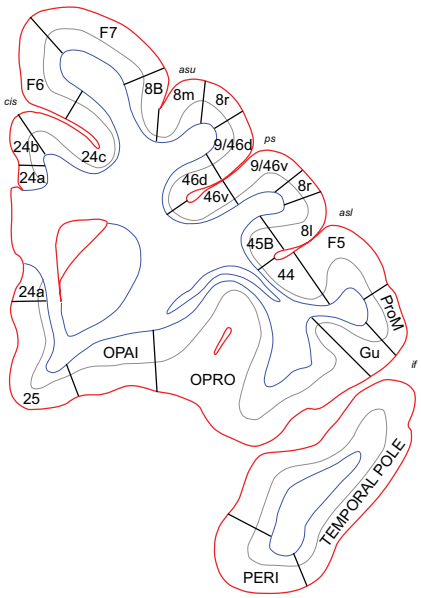
p. 28



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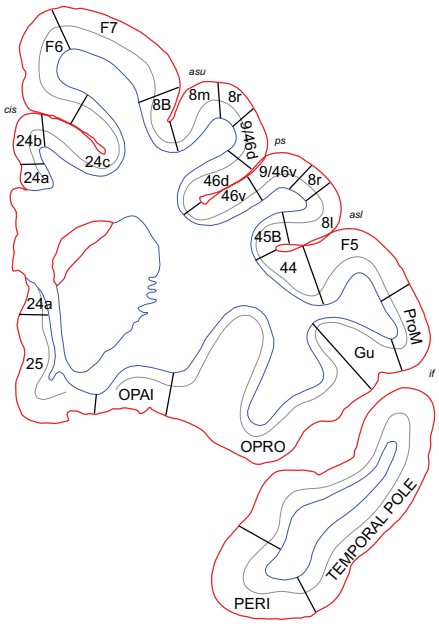
p. 29



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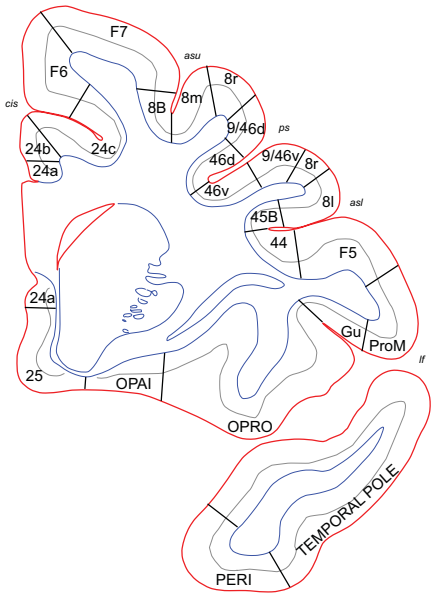
p. 30



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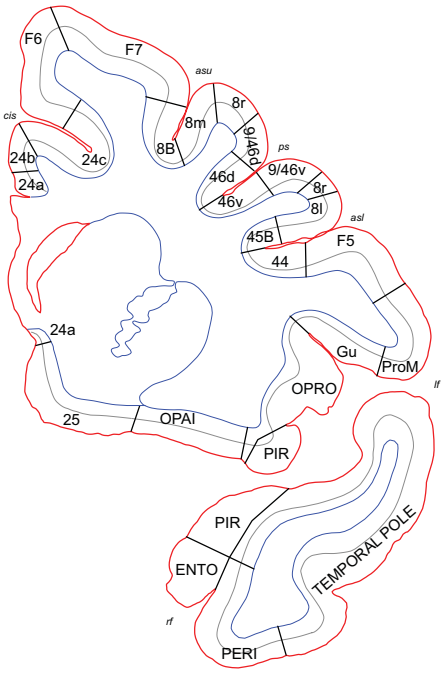
p. 31



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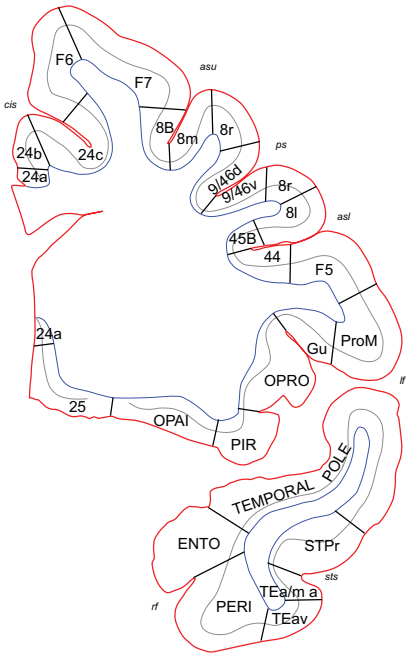
p. 32



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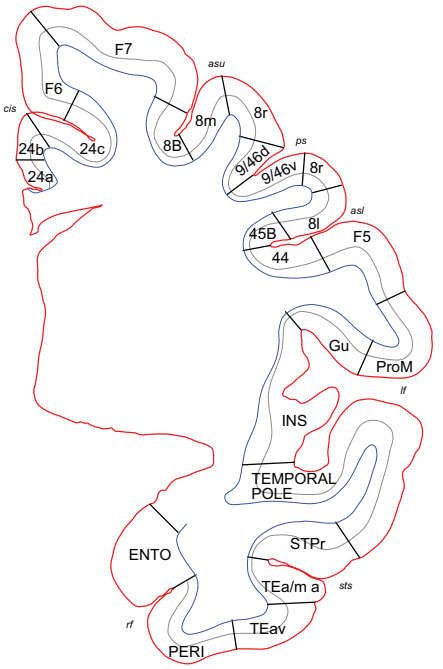
p. 33



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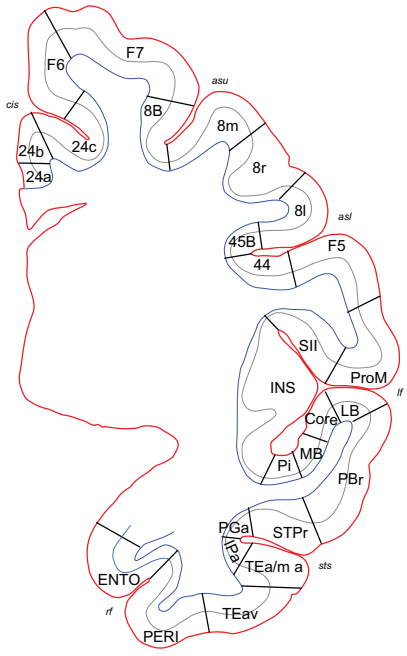
p. 34



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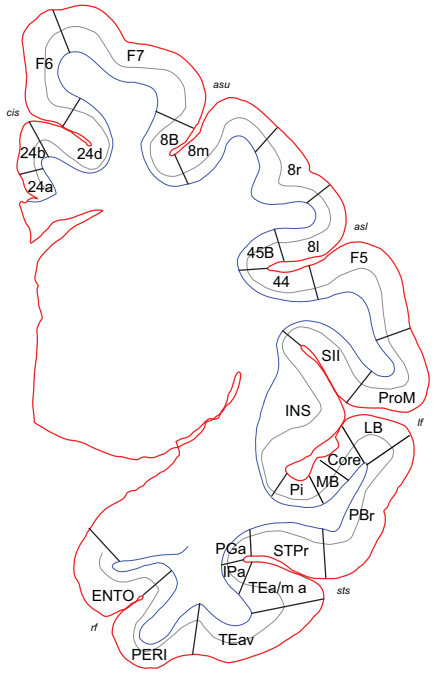
p. 35



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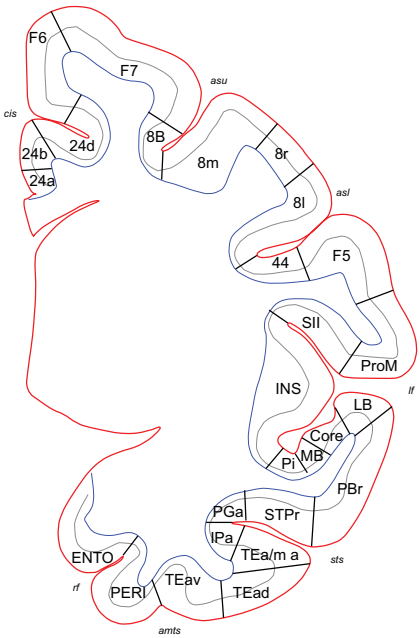
p. 36



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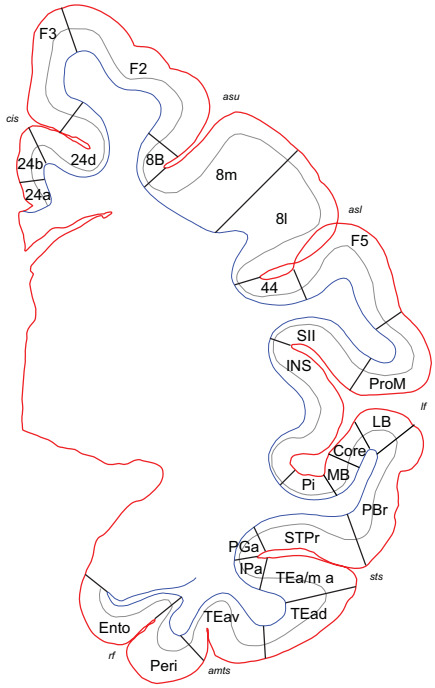
p. 37



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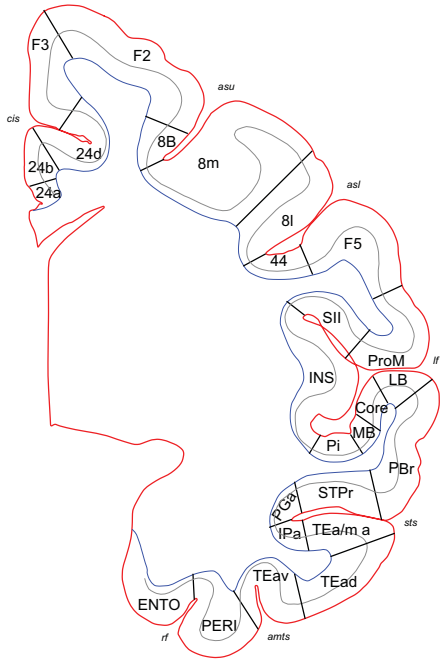
p. 38



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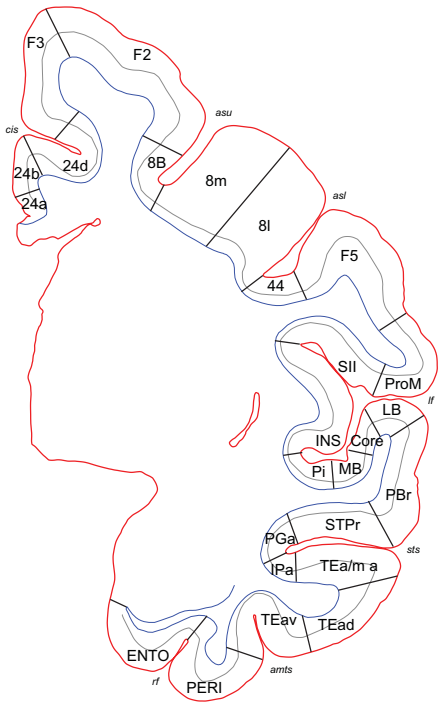
p. 39



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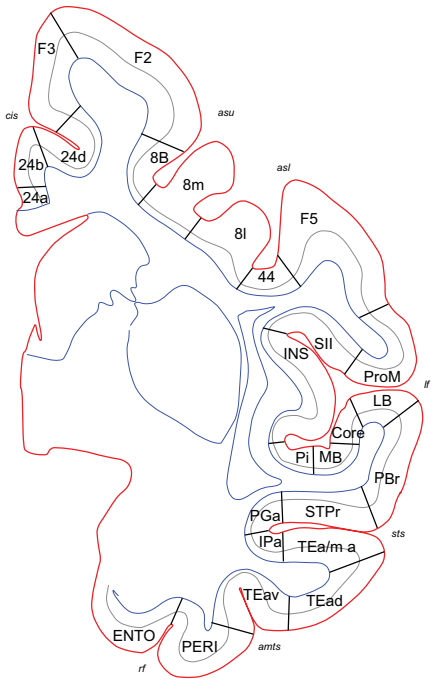
p. 40



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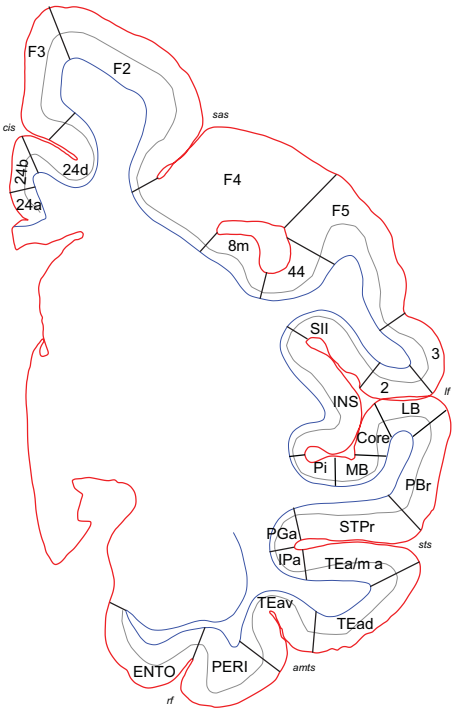
p. 41



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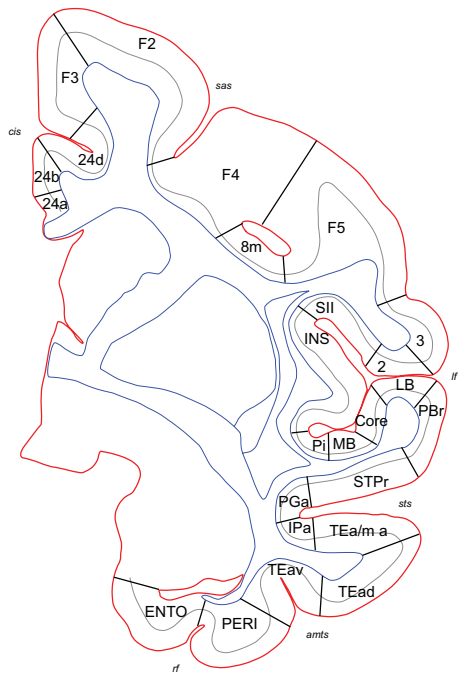
p. 42



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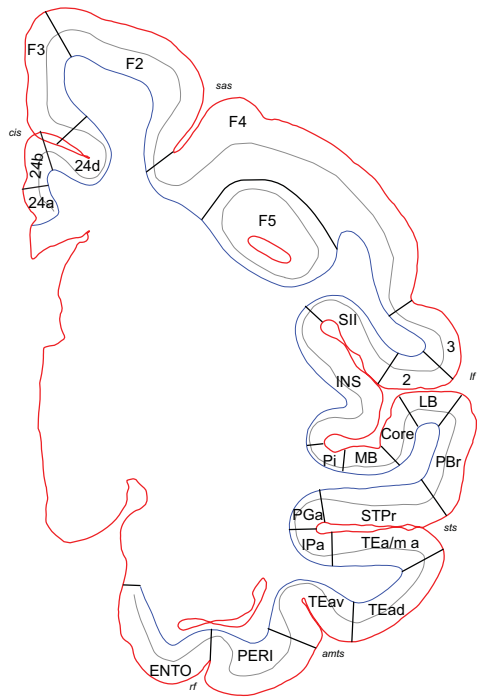
p. 43



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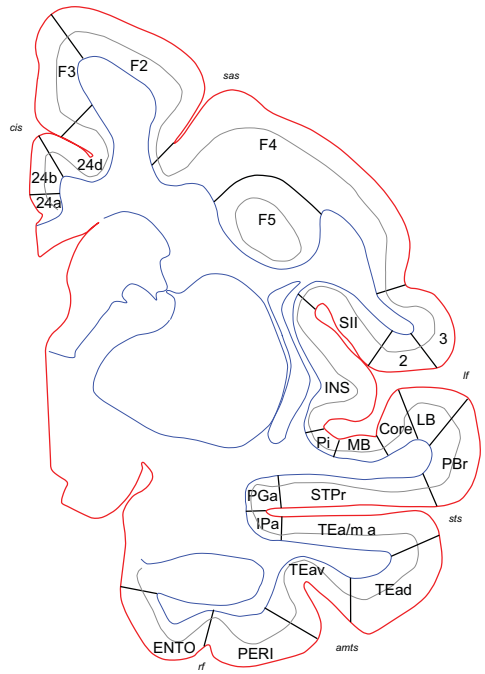
p. 44



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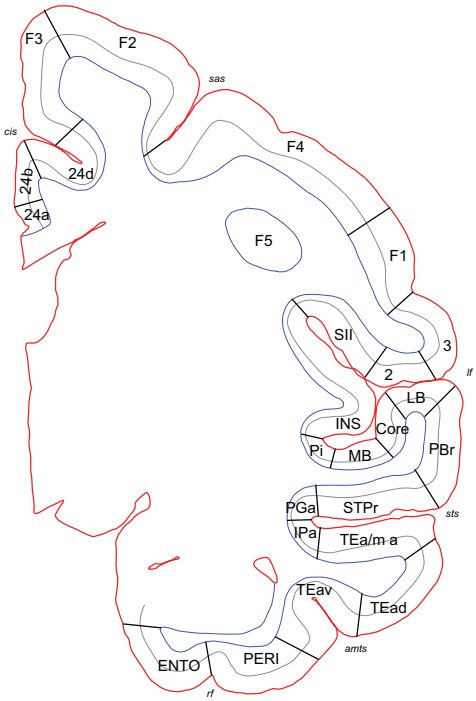
p. 45



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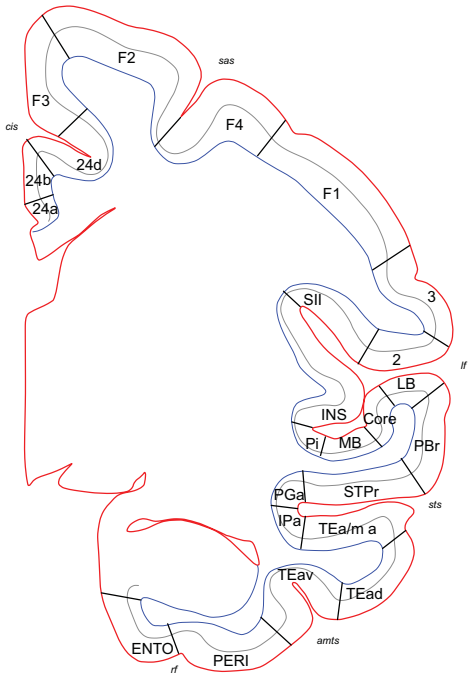
p. 46



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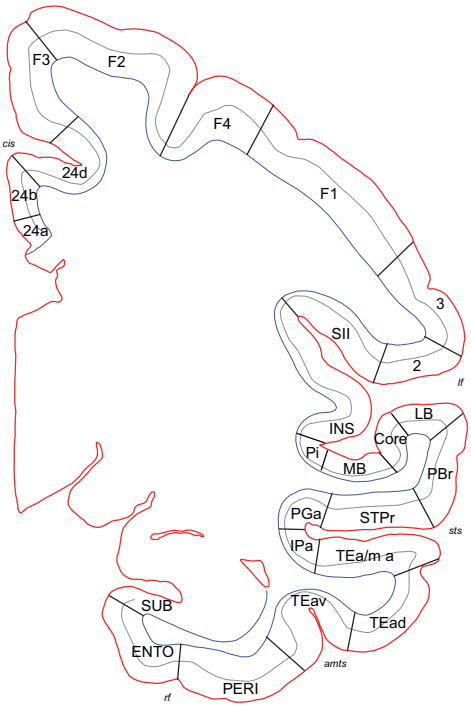
p. 47



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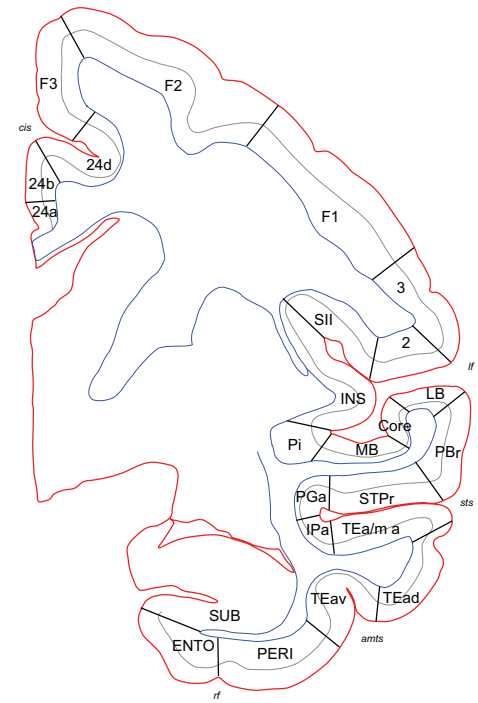
p. 48



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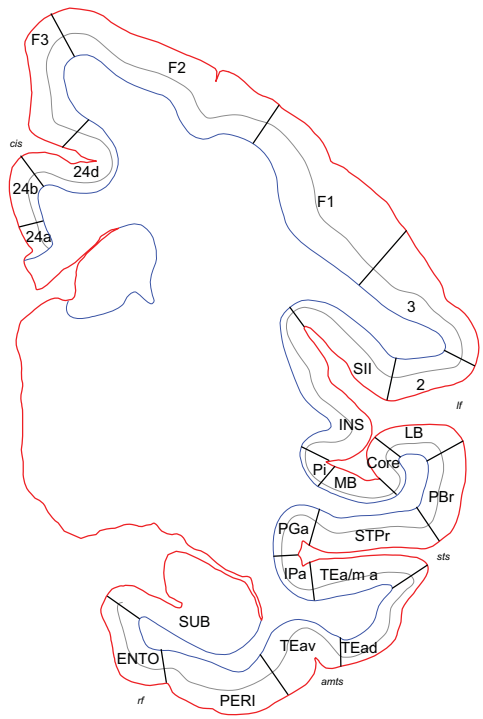
p. 49



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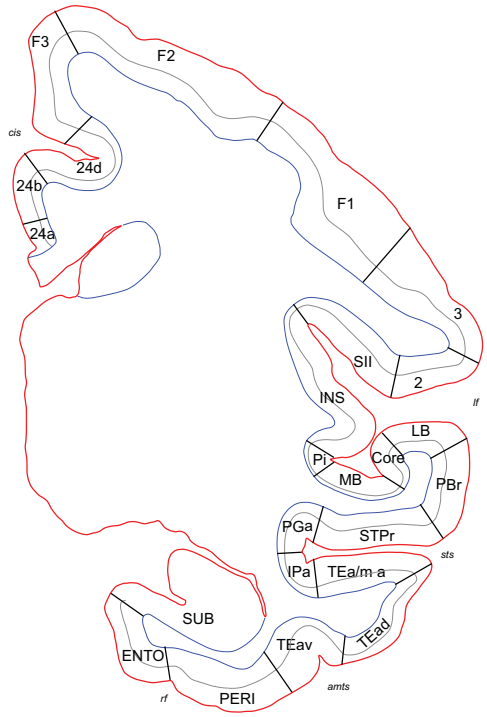
p. 50



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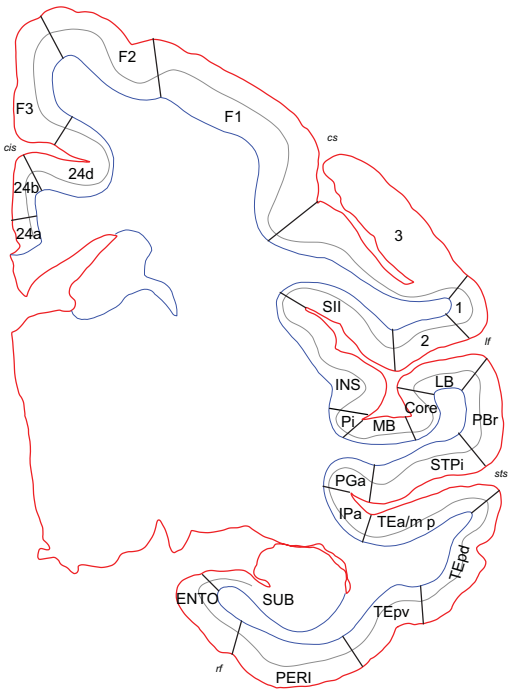
p. 51



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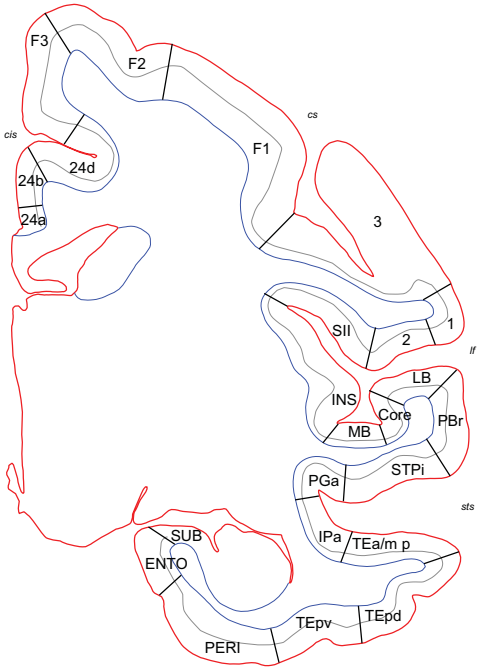
p. 52



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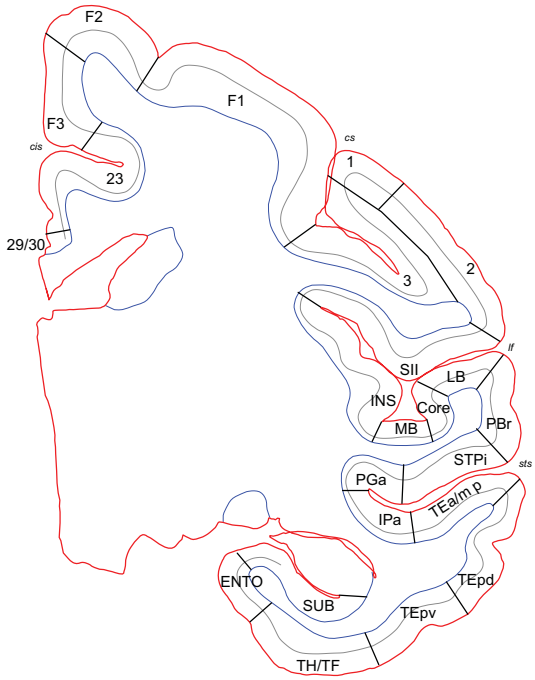
p. 53



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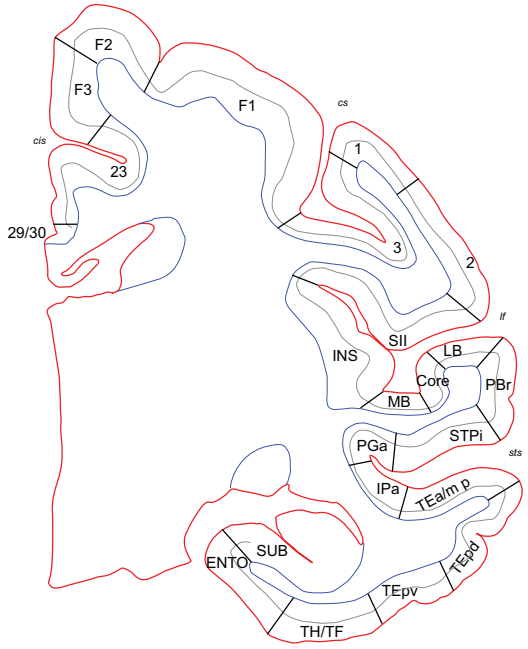
p. 54



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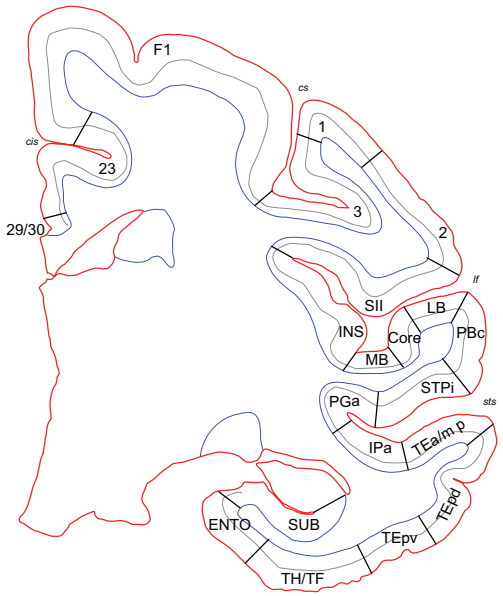
p. 55



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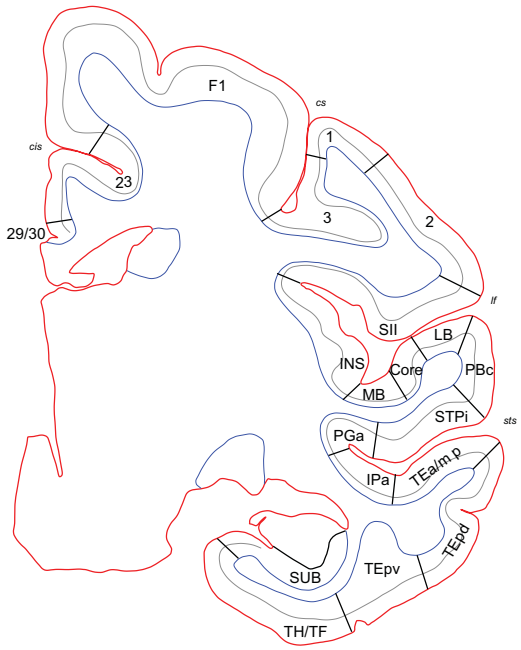
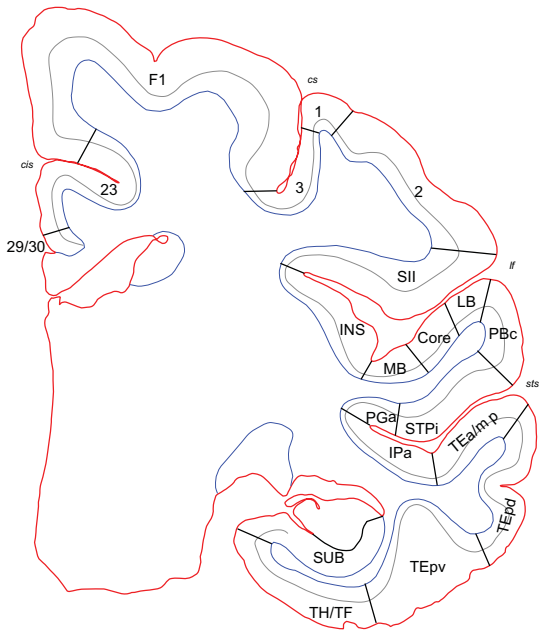
p. 56



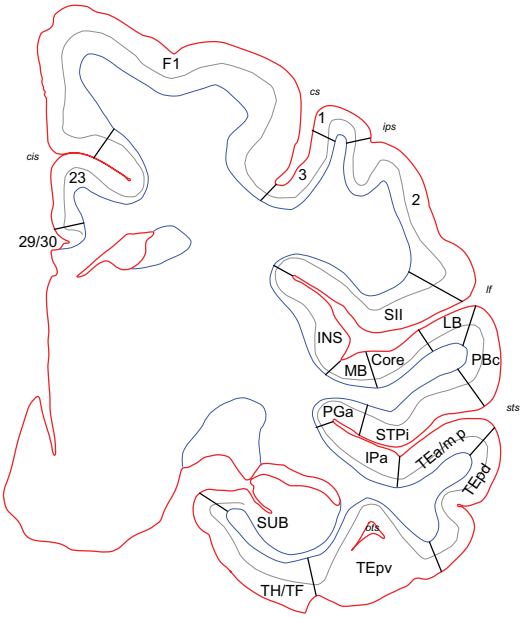
4000 µm

p. 57



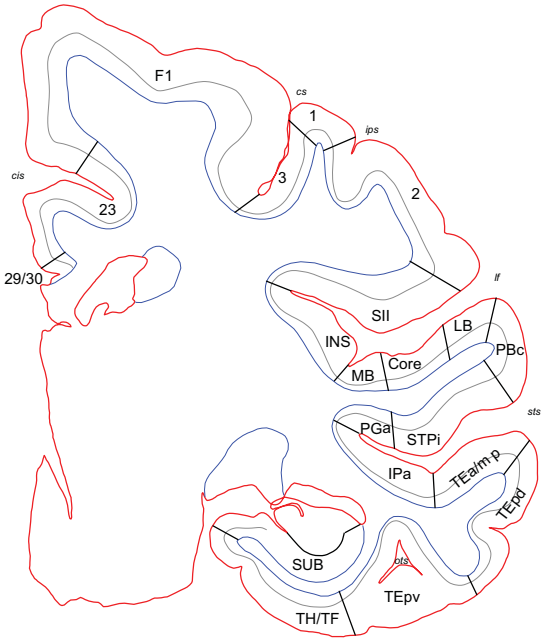
4000 µm

p. 58



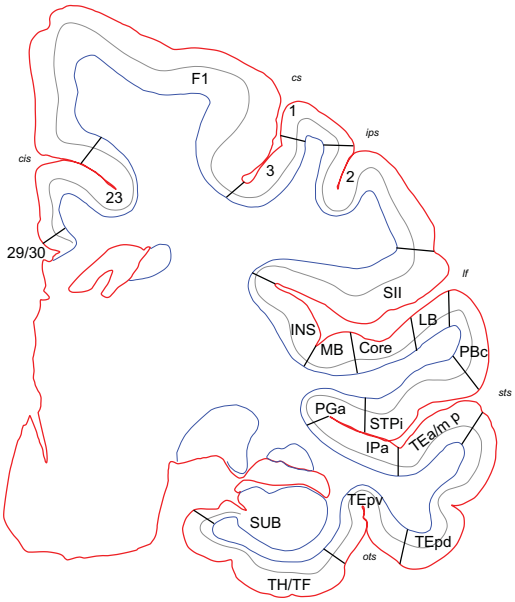
4000 µm

p. 59



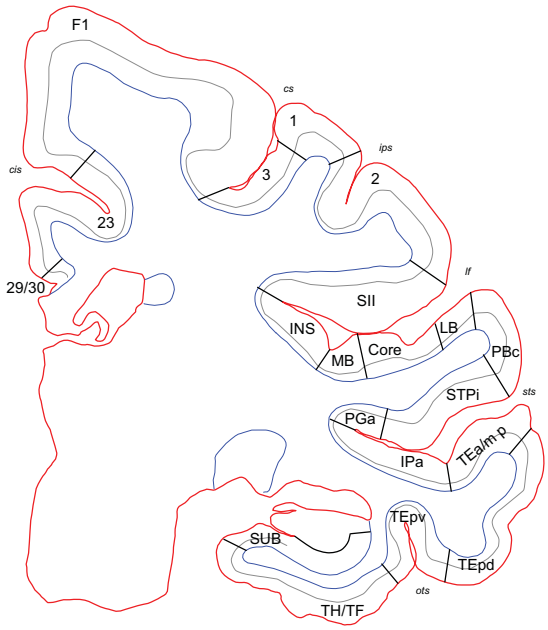
4000 µm

p. 60



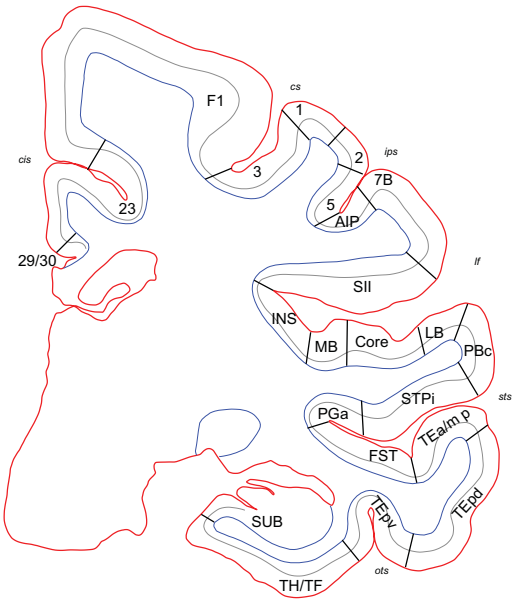
4000 µm

p. 61



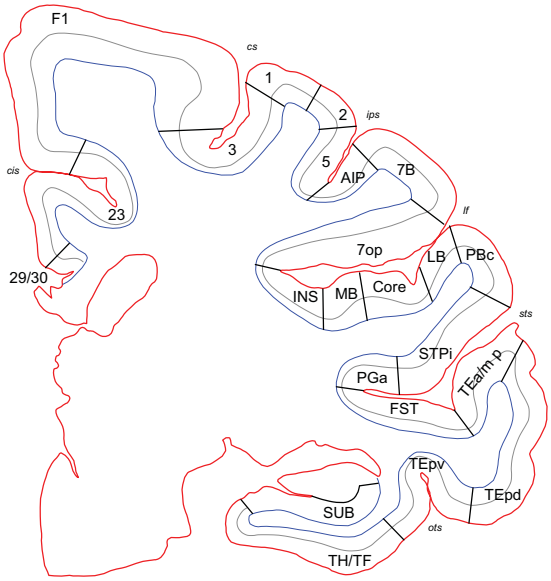
4000 µm

p. 62



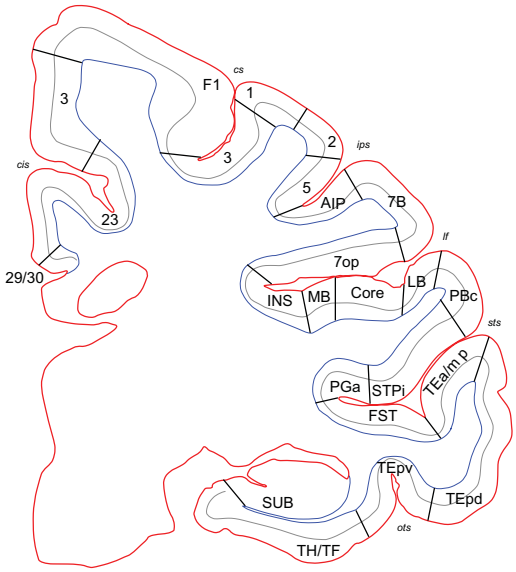
4000 µm

p. 63



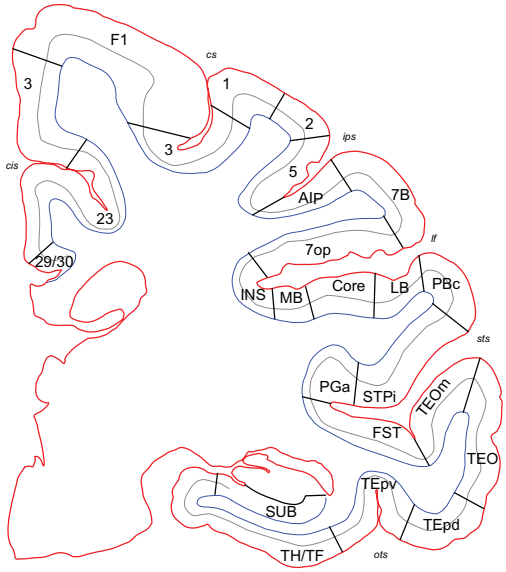
4000 µm

p. 64



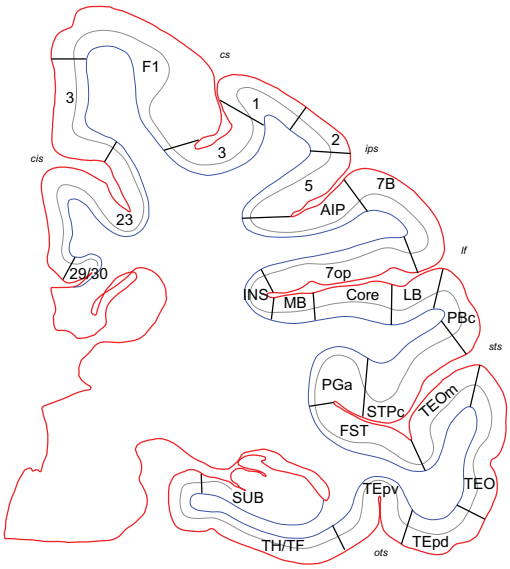
4000 µm

p. 65



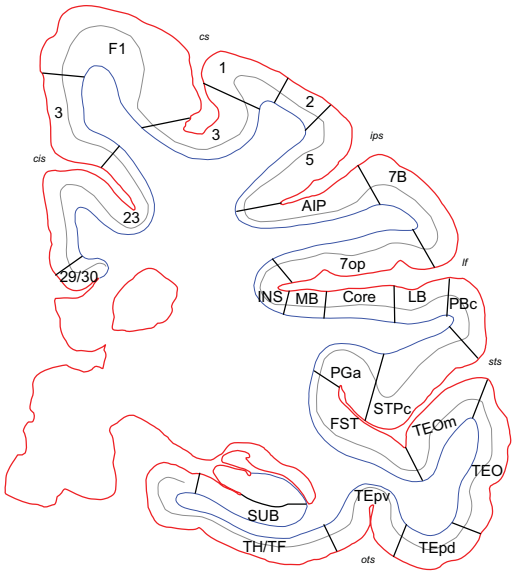
4000 µm

p. 66



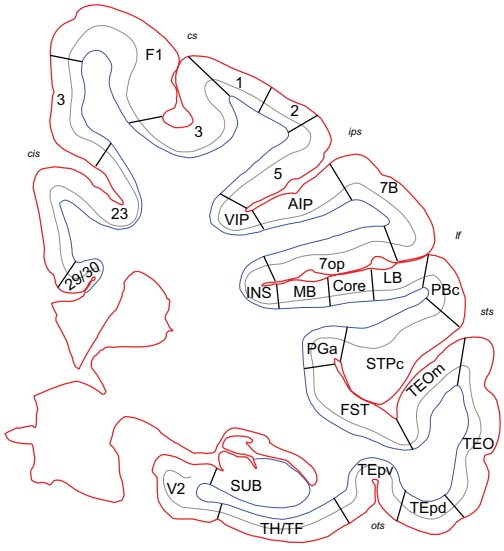
4000 µm

p. 67



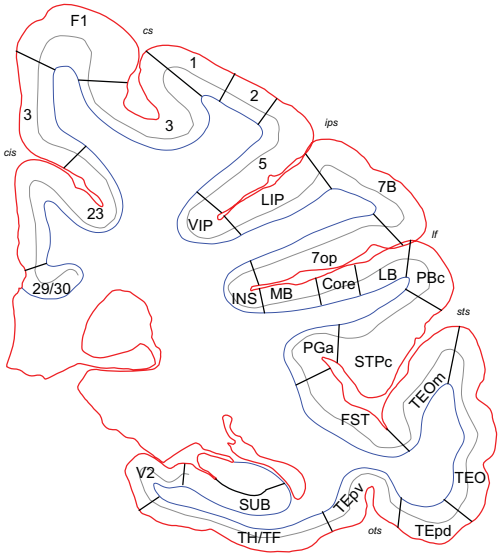
4000 µm

p. 68



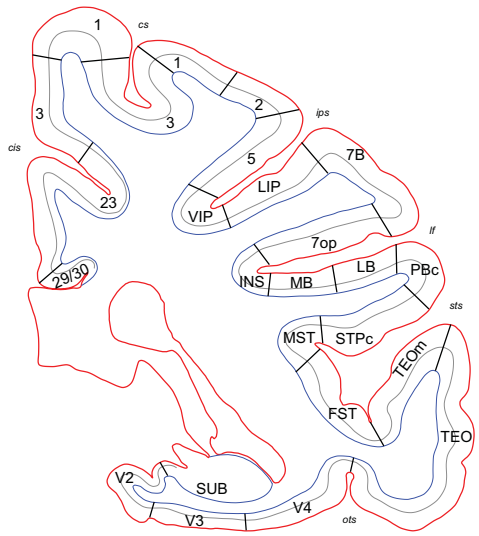
4000 µm

p. 69



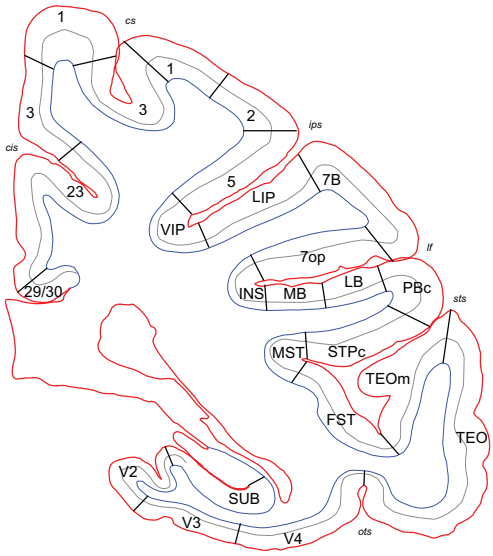
4000 µm

p. 70



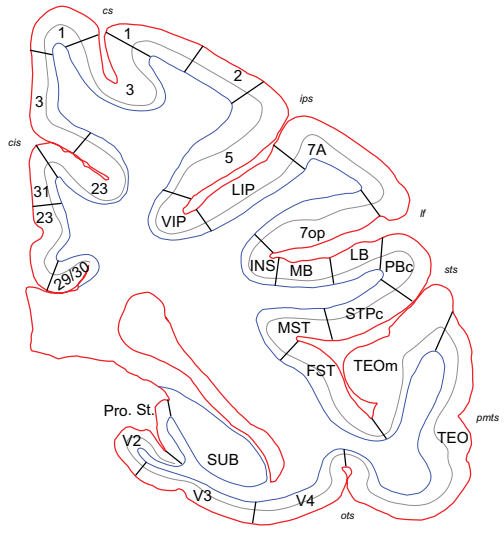
4000 µm

p. 71



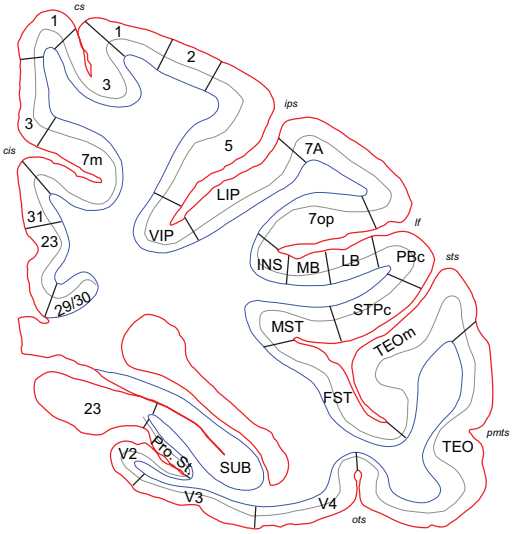
4000 µm

p. 72



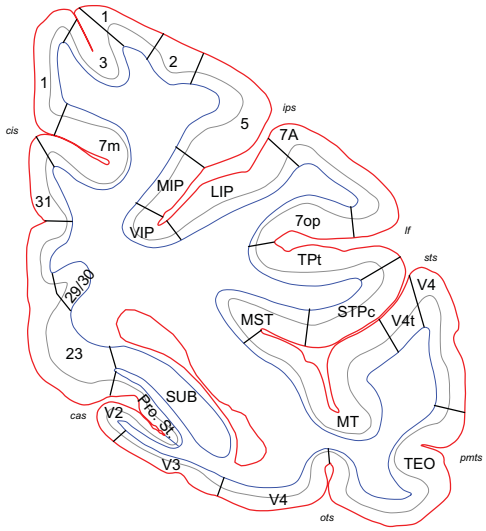
4000 µm

p. 73



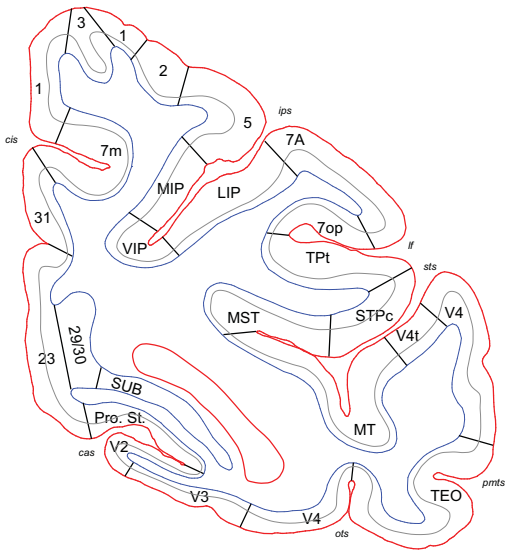
4000 µm

p. 74



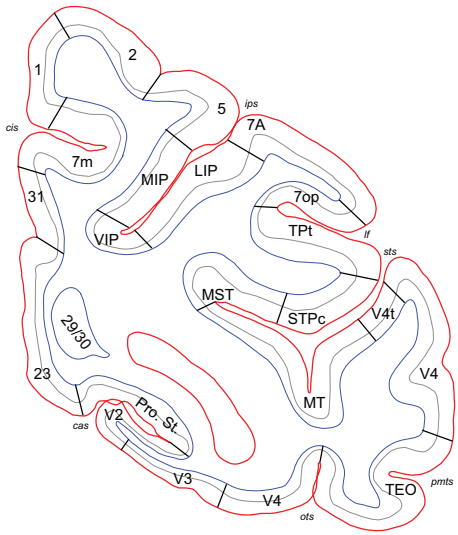
4000 µm

p. 75



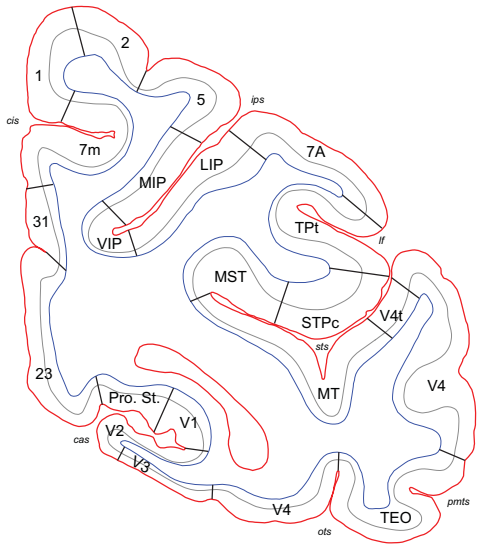
4000 µm

p. 76



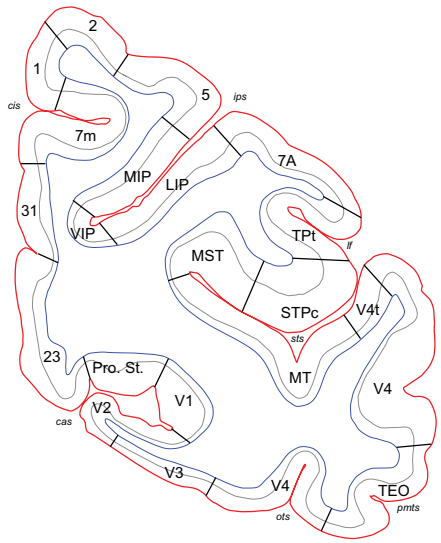
4000 µm

p. 77



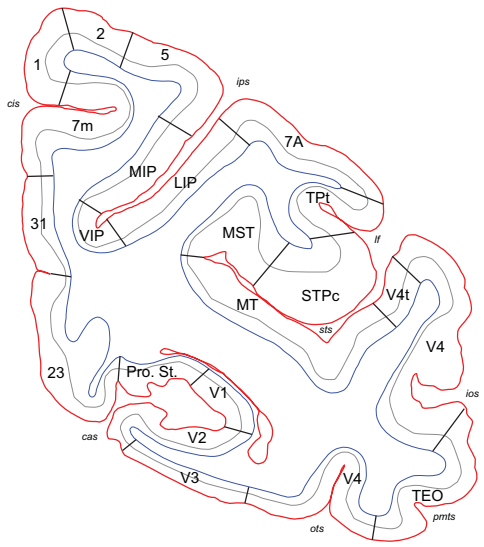
4000 µm

p. 78



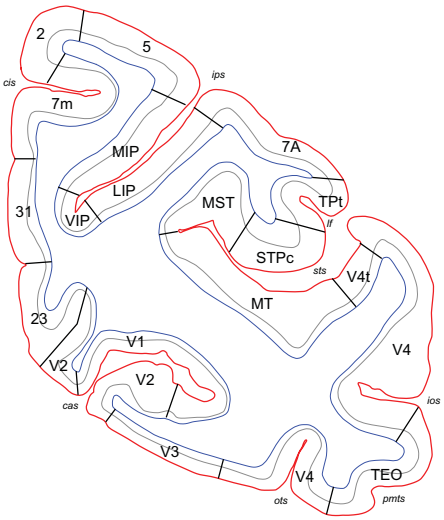
4000 µm

p. 79



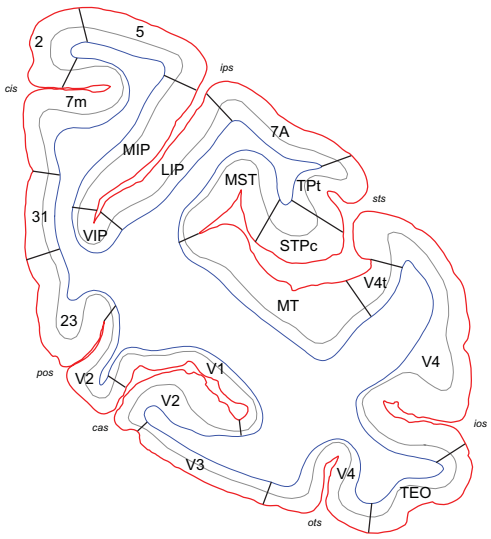
4000 µm

p. 80



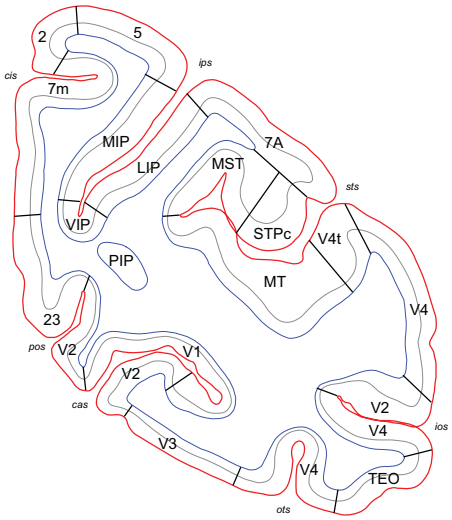
4000 µm

p. 81



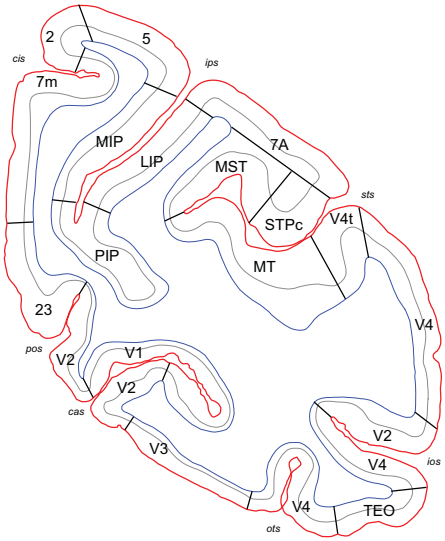
4000 µm

p. 82



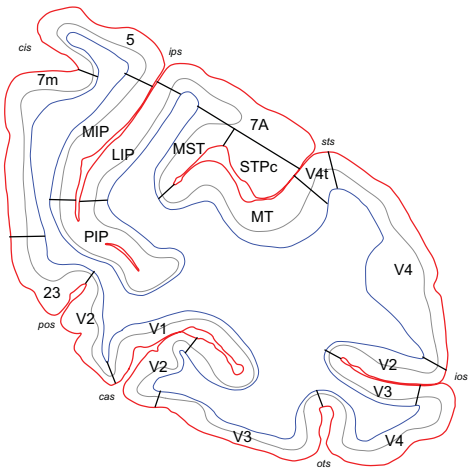
4000 µm

p. 83



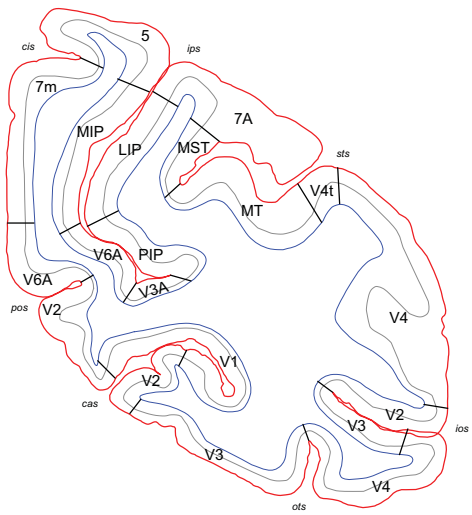
4000 µm

p. 84



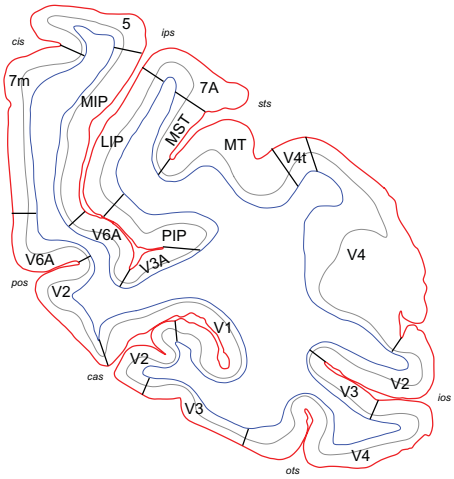
4000 µm

p. 85



4000 µm

p. 86



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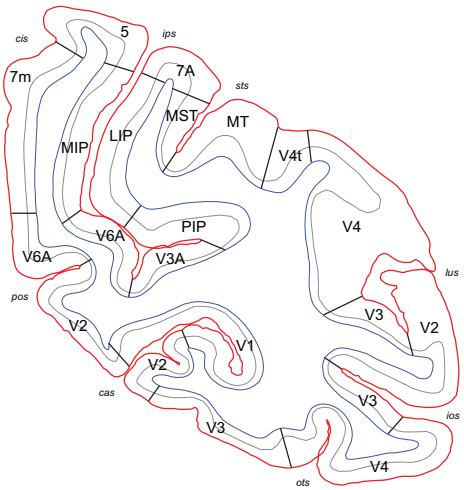
p. 87



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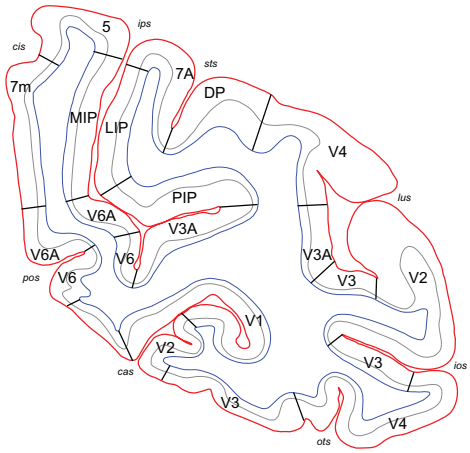
p. 88



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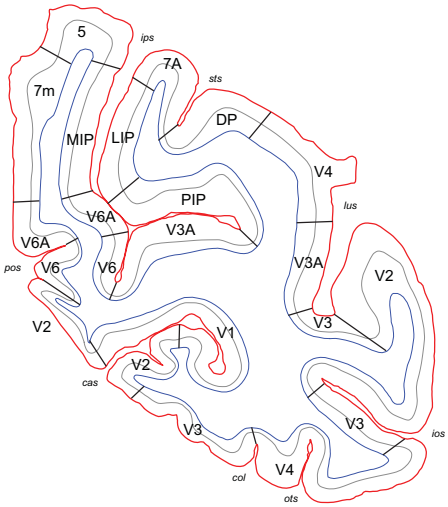
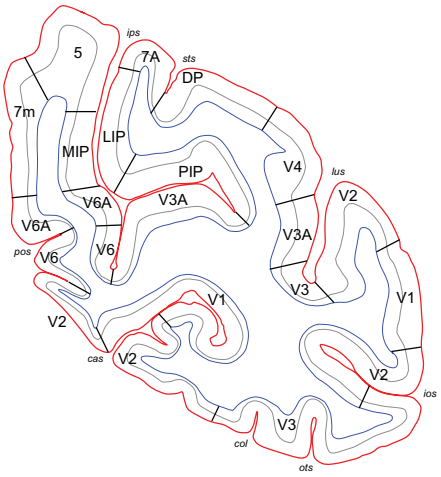
p. 89



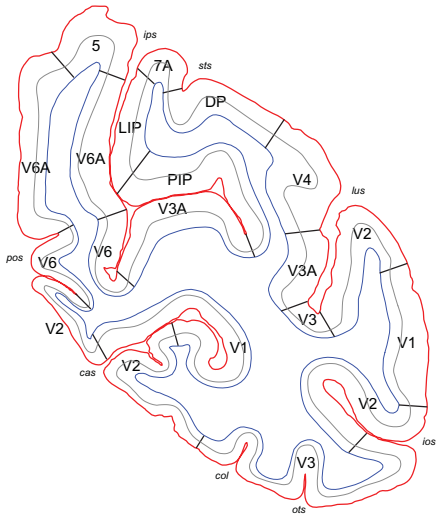
4000 µm

p. 90



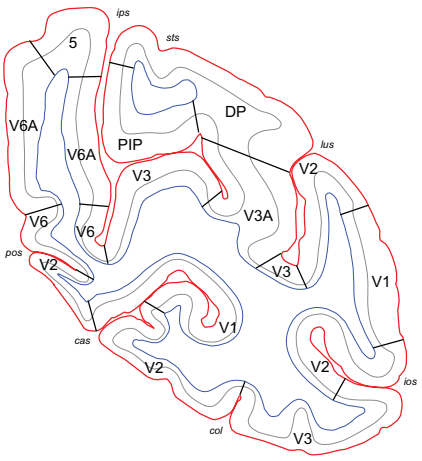
4000 µm

p. 91



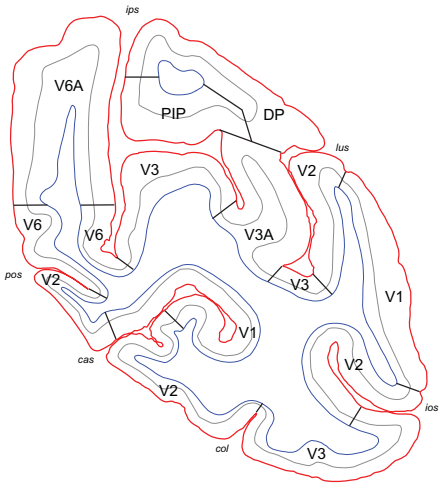
4000 µm

p. 92



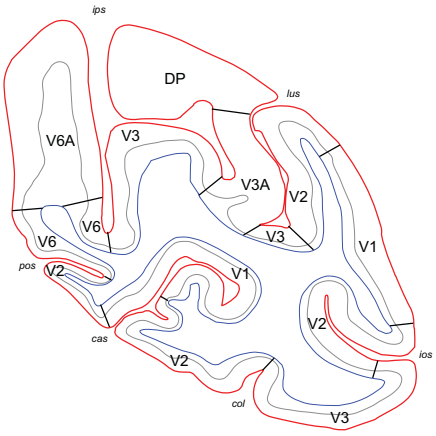
4000 µm

p.93



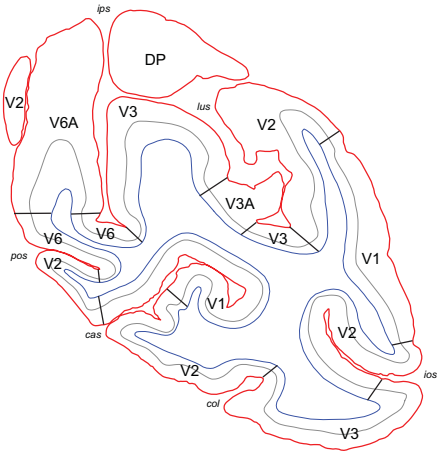
4000 µm

p.94



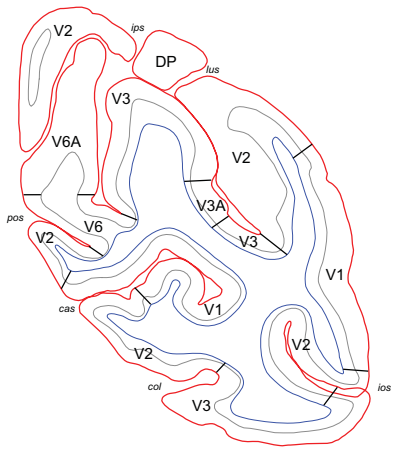
4000 µm

p. 95



4000 µm

p. 96



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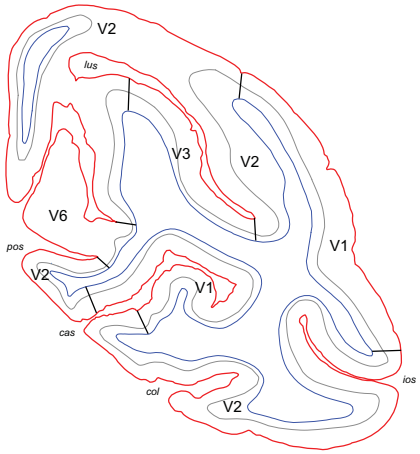
p. 97



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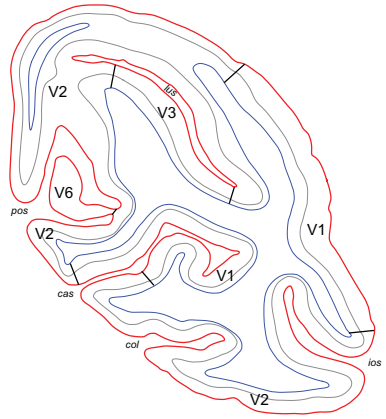
p. 98



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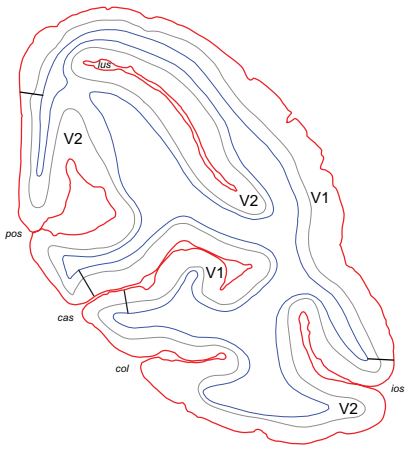
p. 99



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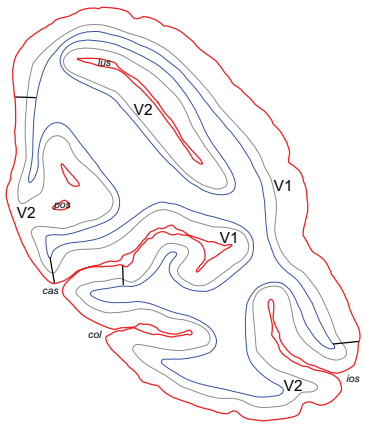
p. 100



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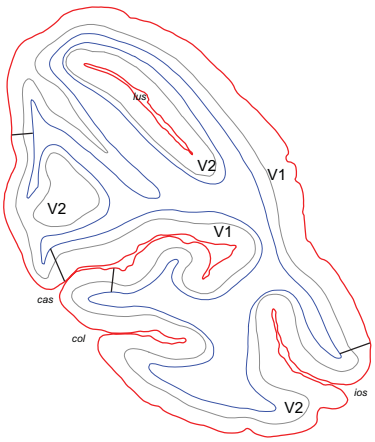
p. 101



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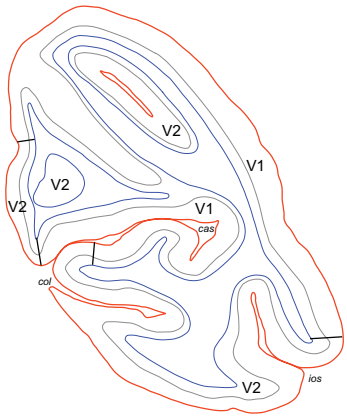
p. 102



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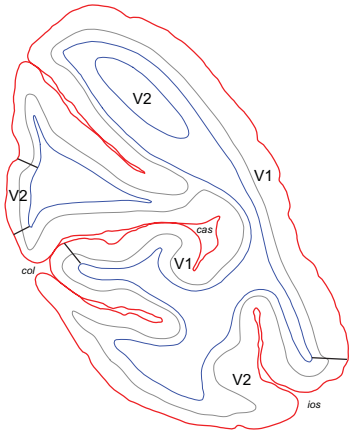
p. 103



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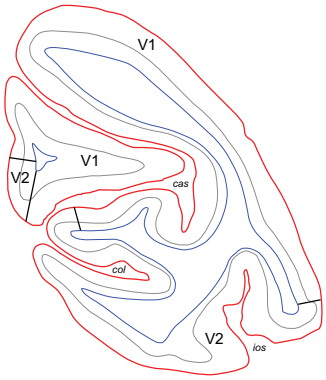
p. 104



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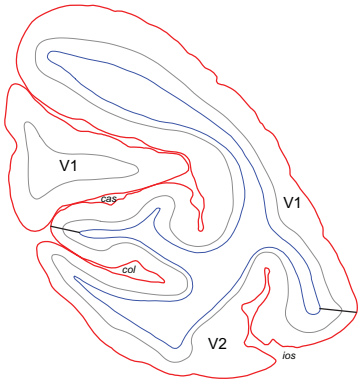
p. 105



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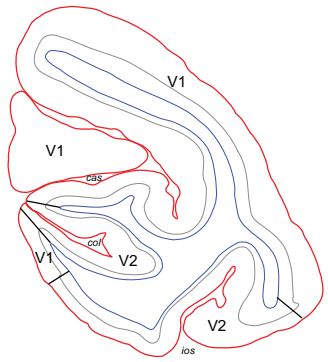
p. 106



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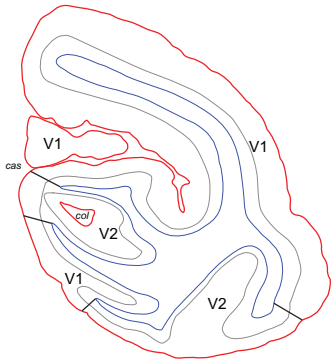
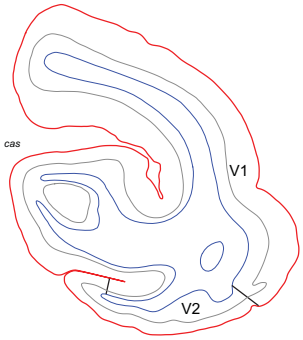
p. 107



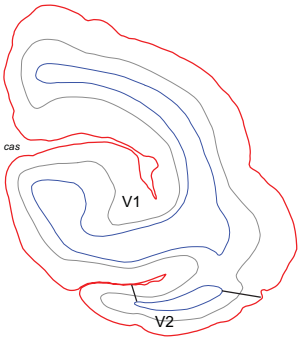
4000 µm

p. 108



4000 µm

p. 109



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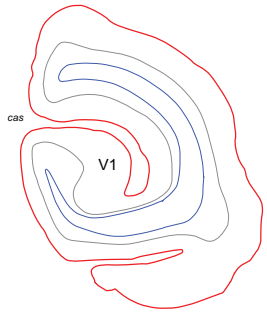
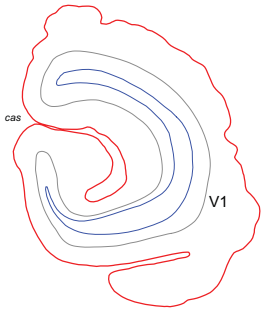
p. 110



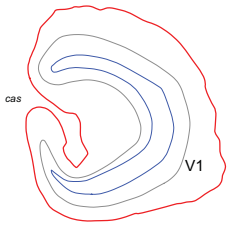
4000 µm

p. 111



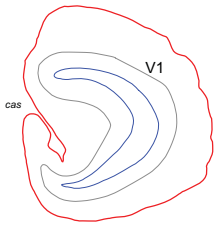
4000 µm

p. 112



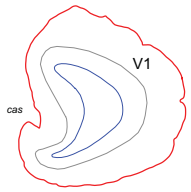
4000 µm

p. 113



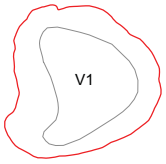
4000 µm

p. 114



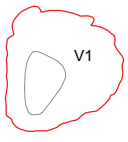
4000 µm

p. 115



4000 µm

p. 116



4000 µm

p. 117

4000 µm