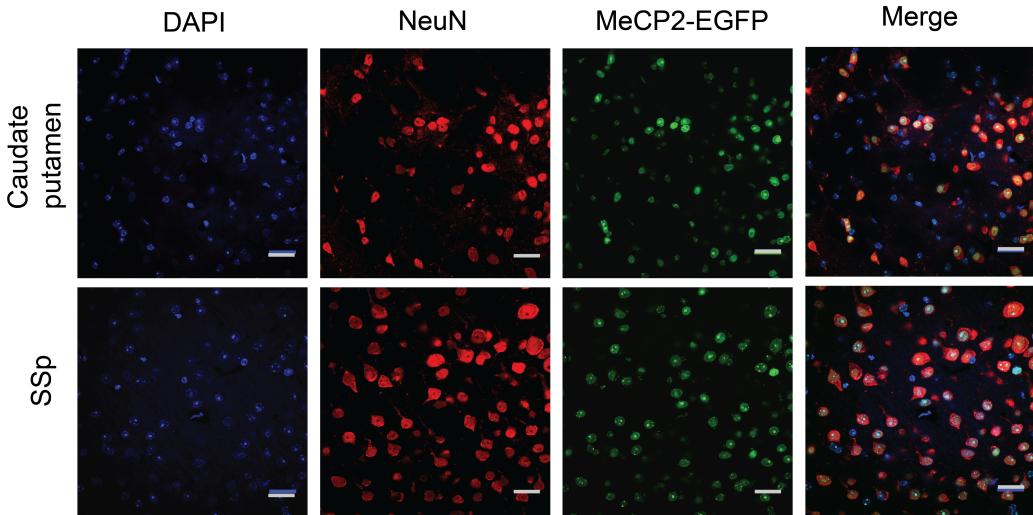


Szelenyi Fig. 1S1

A



B

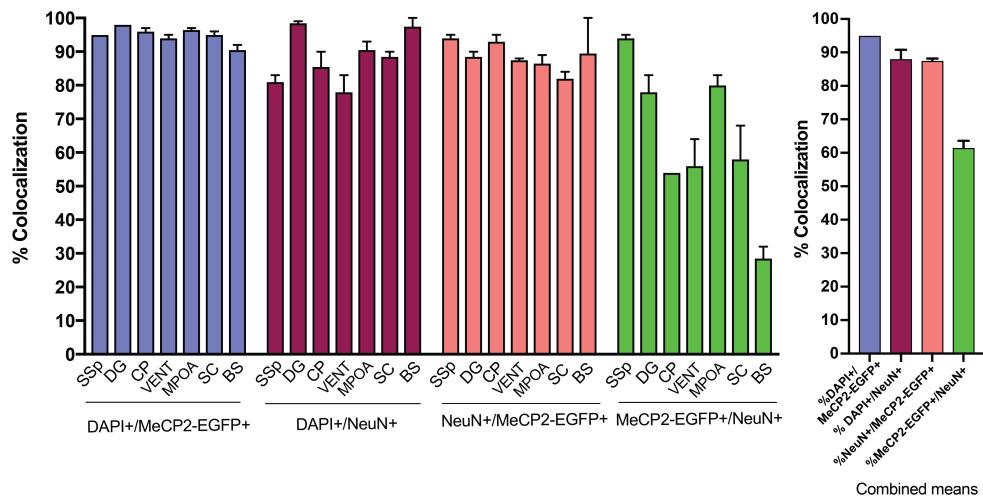


Fig. 1S1. Characterization of MeCP2-EGFP reporter allele expression. A)

Representative confocal images of DAPI and NeuN-stained sections from two areas of a female *MeCP2*^{EGFP/EGFP} brain (scale bar = 25 um). B) Quantification of total cells expressing the MeCP2-EGFP allele (DAPI+/MeCP2-EGFP+), total cells that are neurons (DAPI+/NeuN+), neurons that are MeCP2-EGFP+ (NeuN+/MeCP2-EGFP+), and MeCP2-EGFP+ cells that are neurons (MeCP2-EGFP+/NeuN+) across seven brain areas of female *MeCP2*^{EGFP/EGFP} homozygous brains (n=2; SSp = somatosensory cortex; DG = dentate gyrus; CP = caudate putamen; VENT = ventral group of the thalamus; MPOA = medial preoptic area; SC = superior Colliculus; BS = brain stem). Combined mean values for each group of colocalized cells are plotted on the far right.

Szelenyi Fig. 1S2

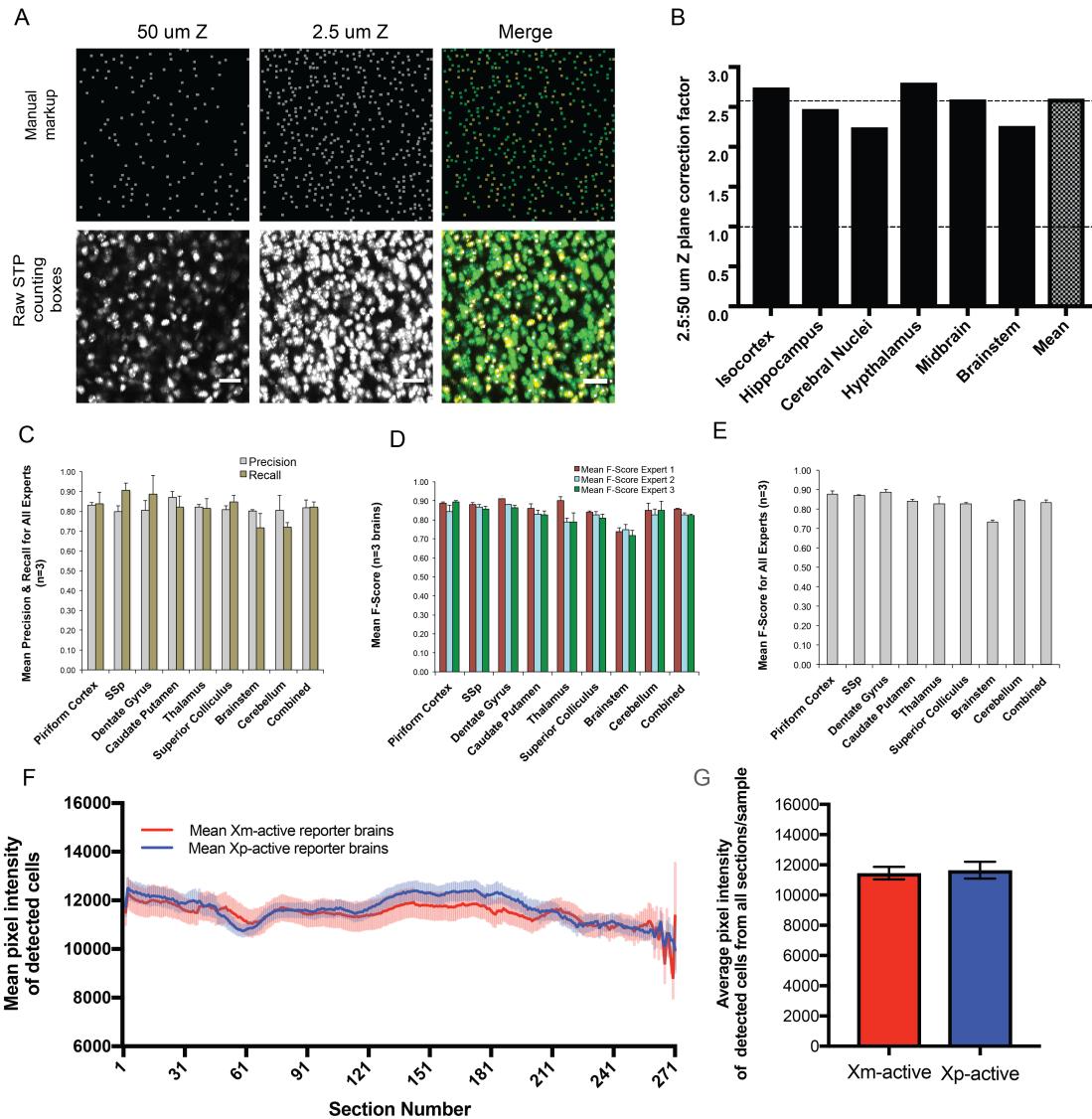


Figure 1S2: Optimization and benchmarking of MeCP2-EGFP+ cell detection. A-B) 2D-3D conversation factor derivation. A) Manual markup and raw STPT image cell counting box from the ventromedial hypothalamus of a female *MeCP2*^{EGFP/EGFP} mouse. Manual cell markups were made amongst every 2.5 um optical scan (middle), surrounding 50 um from the normal imaging plane at 50 um below tissue surface (left). These 20 markups were combined, quantified, and compared back to CN-acquired cell counts and manual counts from a single plane at 50 um below the surface. Scale bar = 25 um. B) Quantified difference in 2.5 um versus 50 um cell amount amongst six areas of the brain. Conversion factors for all areas were averaged resulting in a final cell count correction factor of 2.6. This value was subsequently applied to cell counts from all ROIs of each sample in our datasets. C-E) CN performance benchmarking through F-score calculations (see Methods). All calculations were performed on 8 select tiles from different brain regions that represent the full range of signal density. Tiles were taken from 3 heterozygous *MeCP2*^{WT/EGFP} female brain samples acquired by STPT. C) Mean precision and recall and combined average from 3 experts F) Mean F- score derived from precision and recall values of D) for each individual expert across regions E) Mean expert F-score shown for all regions. F-G) Fluorescence intensity comparisons of detected MeCP2-EGFP+ cell nuclei across reporter parent-of-origin. F) Mean cellular pixel intensity for all detected cells from each section throughout all 270 sections (anterior limit = 1; posterior limit = 270) of Xm-active (red) or Xp-active (blue) reporter samples. I) Comparison of XCa reporter groups with all 270 sections averaged. All values = mean + SEM.

Szelenyi Figure 1S3

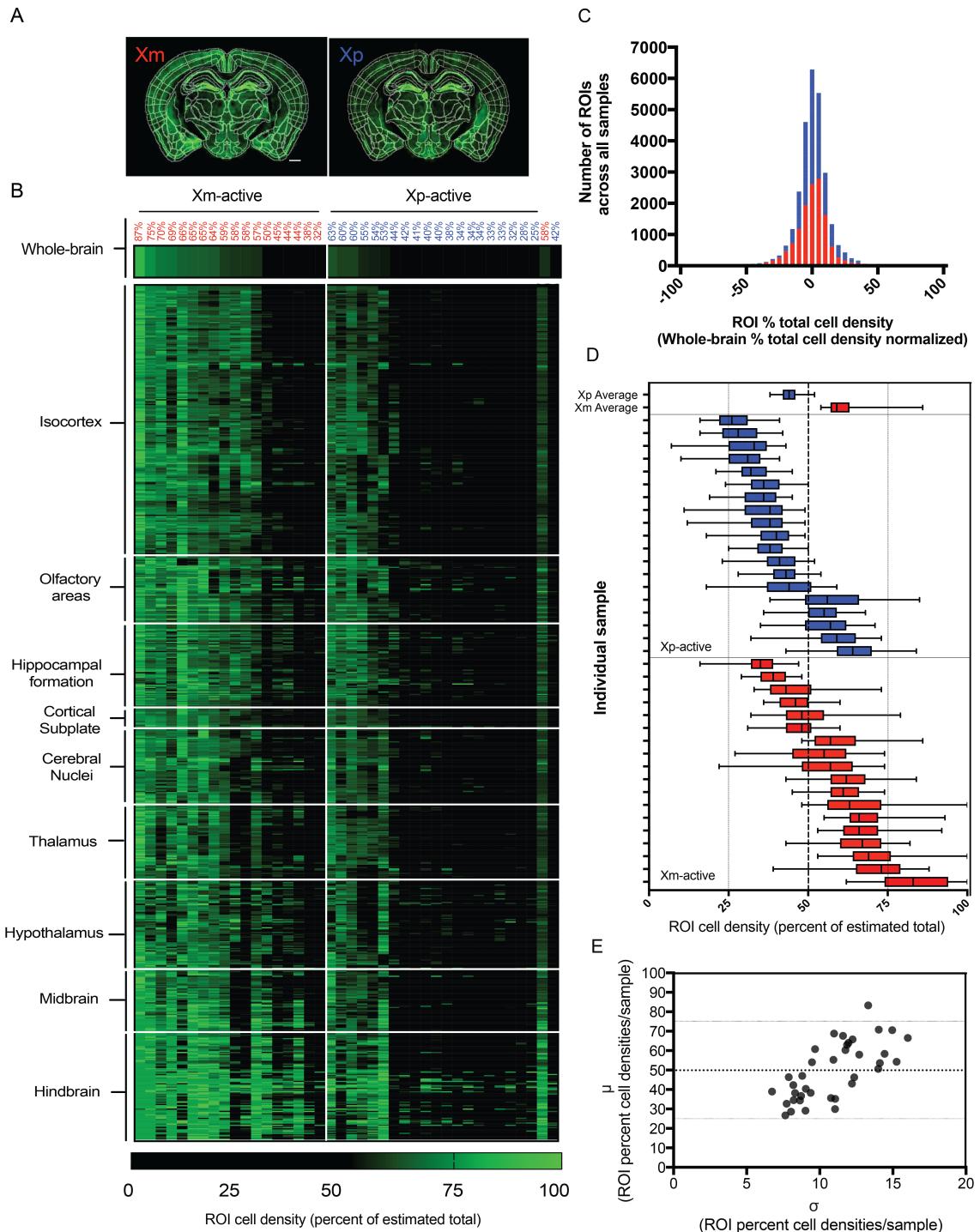


Figure 1S3: ROI-based XCa quantification. A) Example ROI segmentation skeletonized and overlaid on a representative STPT-generated section displaying voxelized cell counts in green for Xm-active (left) or Xp-active (right) reporter brains. B) ROI cell density expressed as a percent of estimated total for all reporter brain samples. Samples are ordered by reporter parent-of-origin (Xm-active – left; Xp-active – right; Averages – far right) and whole-brain cell density. Individually segmented ROIs are listed from anterior to posterior and by major ontological divisions of the brain. Percent cell total density is displayed on a color scale of green (100% cell density) to black (50-0% cell density). C) Frequency histogram of ROI percent cell density for all ROIs of every sample (Xm-active ROIs – red; . Xp-active ROIs - blue) normalized by whole-brain percent total cell density. D) Descriptive statistic summary of ROI data from B) presented as box-and-whisker plots with 5-95 percentiles of ROI data points from each brain represented by whiskers. E) Mean ROI percent cell densities from each sample plotted against the standard deviation of the mean.

Szelenyi Fig. 2S1

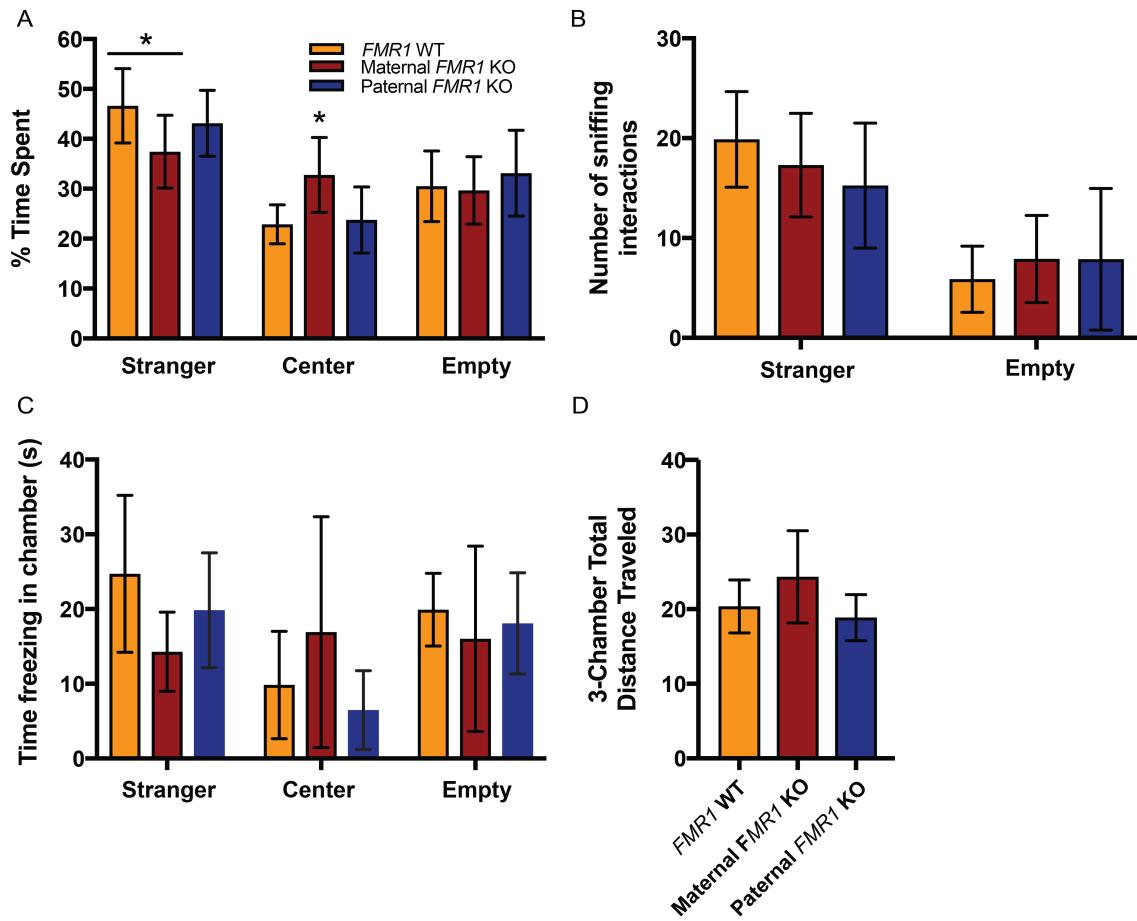


Figure 2S1: Extended 3-chamber sociability assay results. A) Between-subjects comparison of percent chamber time spent. * $p < 0.05$. B) Number of sniffing interactions made with stranger mouse or empty cup across genotypes .C) Total time of behavioral freezing across genotypes in each chamber. D) Total distance traveled for each group of mice. All data represents mean \pm SD.

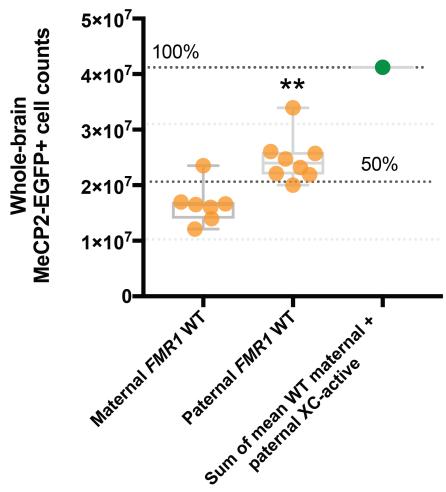


Figure 2S2: Whole-brain FMR1 WT cell counts. Absolute whole-brain cell counts of maternal (n=7) and paternal (n=8) *FMR1* WT MeCP2-EGFP reporters. The mean sum of heterozygous groups are plotted on the far right with dashed lines indicating 100% (top) or 50% (middle) total possible counts based on this value. **p<0.01

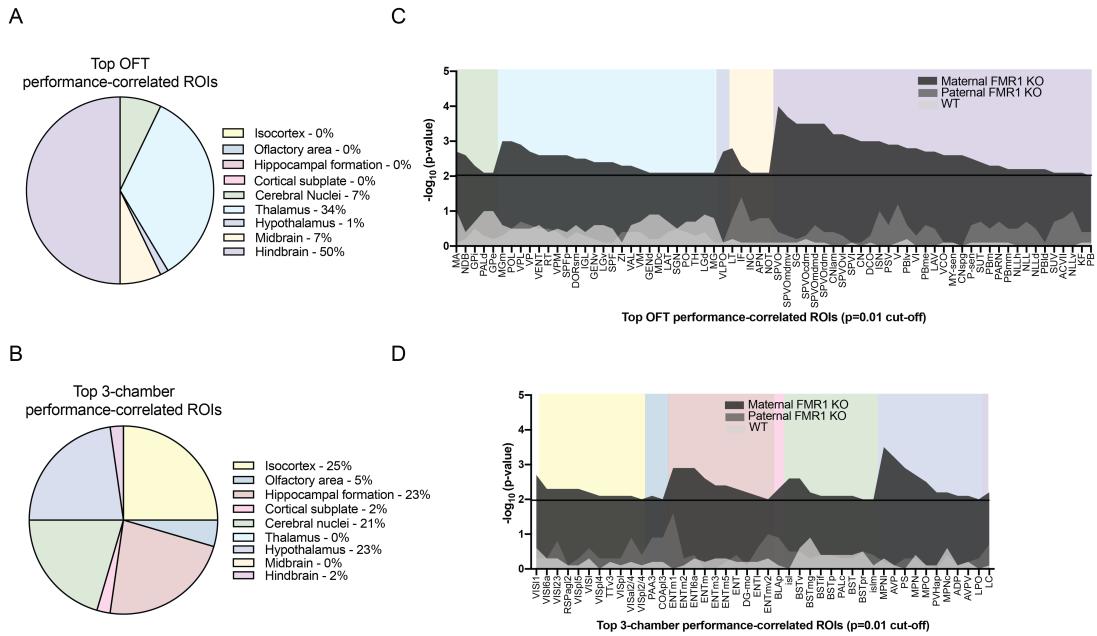


Figure 3S1: A) Top maternal *FMR1* KO correlated ROIs found in OFT grouped by major structures and expressed as percentage of total ROIs found. Percentage of significant ROIs/grouping structure is listed to right of pie chart. B) Same as in A) for significant 3-chamber ROIs. C) Significant individual ROIs ($p<0.01$ cut-off; black line) from A) expressed as $-\log_{10}$ transformed p-values. ROIs are listed left to right by color-coded grouping structure and in order of $-\log_{10}$ p-value from high to low. Transformed p-values of *FMR1* WT and paternal *FMR1* KO genotypes are overlaid maternal *FMR1* KO values for comparison. D) Same as in C) for 3-chamber test ROIs. Full ROI names of acronyms listed can be found in Supplementary Table 2 .

Supplementary Table 1. ID, names, acronyms, and structure order of all ROIs included and excluded in the current study, as defined by the Allen Brain Atlas.

ID	Name	Acronym	Structure_order
n/a	Whole-brain (CH + BS)	whole-brain	n/a
567	Cerebrum	CH	200
688	Cerebral cortex	CTX	300
695	Cortical plate	CTXpl	400
315	Isocortex	Isocortex	500
184	Frontal pole, cerebral cortex	FRP	600
68	Frontal pole, layer 1	FRP1	700
667	Frontal pole, layer 2/3	FRP2/3	800
500	Somatomotor areas	MO	900
985	Primary motor area	MOp	1500
320	Primary motor area, Layer 1	MOp1	1600
943	Primary motor area, Layer 2/3	MOp2/3	1700
648	Primary motor area, Layer 5	MOp5	1800
844	Primary motor area, Layer 6a/b	MOp6a	1900
993	Secondary motor area	MOs	2100
656	Secondary motor area, layer 1	MOs1	2200
962	Secondary motor area, layer 2/3	MOs2/3	2300
767	Secondary motor area, layer 5	MOs5	2400
1021	Secondary motor area, layer 6a/b	MOs6a	2500
453	Somatosensory areas	SS	2700
322	Primary somatosensory area	SSp	2800
793	Primary somatosensory area, layer 1	SSp1	2900
346	Primary somatosensory area, layer 2/3	SSp2/3	3000
865	Primary somatosensory area, layer 4	SSp4	3100
921	Primary somatosensory area, layer 5	SSp5	3200
686	Primary somatosensory area, layer 6a/b	SSp6a	3300
353	Primary somatosensory area, nose	SSp-n	3500
558	Primary somatosensory area, nose, layer 1	SSp-n1	3600
838	Primary somatosensory area, nose, layer 2/3	SSp-n2/3	3700
654	Primary somatosensory area, nose, layer 4	SSp-n4	3800
702	Primary somatosensory area, nose, layer 5	SSp-n5	3900
889	Primary somatosensory area, nose, layer 6a/b	SSp-n6a	4000
981	Primary somatosensory area, barrel field, layer 1	SSp-bfd1	4300
201	Primary somatosensory area, barrel field, layer 2/3	SSp-bfd2/3	4400
1047	Primary somatosensory area, barrel field, layer 4	SSp-bfd4	4500
1070	Primary somatosensory area, barrel field, layer 5	SSp-bfd5	4600
1038	Primary somatosensory area, barrel field, layer 6a/b	SSp-bfd6a	4700
337	Primary somatosensory area, lower limb	SSp-ll	4900
1030	Primary somatosensory area, lower limb, layer 1	SSp-ll1	5000
113	Primary somatosensory area, lower limb, layer 2/3	SSp-ll2/3	5100
1094	Primary somatosensory area, lower limb, layer 4	SSp-ll4	5200
1128	Primary somatosensory area, lower limb, layer 5	SSp-ll5	5300
478	Primary somatosensory area, lower limb, layer 6a/b	SSp-ll6a	5400
345	Primary somatosensory area, mouth	SSp-m	5600

878	Primary somatosensory area, mouth, layer 1	SSp-m1	5700
657	Primary somatosensory area, mouth, layer 2/3	SSp-m2/3	5800
950	Primary somatosensory area, mouth, layer 4	SSp-m4	5900
974	Primary somatosensory area, mouth, layer 5	SSp-m5	6000
1102	Primary somatosensory area, mouth, layer 6a/b	SSp-m6a	6100
369	Primary somatosensory area, upper limb	SSp-ul	6300
450	Primary somatosensory area, upper limb, layer 1	SSp-ul1	6400
854	Primary somatosensory area, upper limb, layer 2/3	SSp-ul2/3	6500
577	Primary somatosensory area, upper limb, layer 4	SSp-ul4	6600
625	Primary somatosensory area, upper limb, layer 5	SSp-ul5	6700
945	Primary somatosensory area, upper limb, layer 6a/b	SSp-ul6a	6800
361	Primary somatosensory area, trunk	SSp-tr	7000
1006	Primary somatosensory area, trunk, layer 1	SSp-tr1	7100
670	Primary somatosensory area, trunk, layer 2/3	SSp-tr2/3	7200
1086	Primary somatosensory area, trunk, layer 4	SSp-tr4	7300
1111	Primary somatosensory area, trunk, layer 5	SSp-tr5	7400
9	Primary somatosensory area, trunk, layer 6a/b	SSp-tr6a	7500
378	Supplemental somatosensory area	SSs	7700
873	Supplemental somatosensory area, layer 1	SSs1	7800
806	Supplemental somatosensory area, layer 2/3	SSs2/3	7900
1035	Supplemental somatosensory area, layer 4	SSs4	8000
1090	Supplemental somatosensory area, layer 5	SSs5	8100
862	Supplemental somatosensory area, layer 6a/b	SSs6a	8200
44	Infralimbic area	ILA	8400
707	Infralimbic area, layer 1	ILA1	8500
747	Infralimbic area, layer 2	ILA2	8600
556	Infralimbic area, layer 2/3	ILA2/3	8700
827	Infralimbic area, layer 5	ILA5	8800
1054	Infralimbic area, layer 6a/b	ILA6a	8900
1057	Gustatory areas	GU	9100
36	Gustatory areas, layer 1	GU1	9200
180	Gustatory areas, layer 2/3	GU2/3	9300
148	Gustatory areas, layer 4	GU4	9400
187	Gustatory areas, layer 5	GU5	9500
638	Gustatory areas, layer 6a/b	GU6a	9600
677	Visceral area	VISC	9800
897	Visceral area, layer 1	VISC1	9900
1106	Visceral area, layer 2/3	VISC2/3	10000
1010	Visceral area, layer 4	VISC4	10100
1058	Visceral area, layer 5	VISC5	10200
857	Visceral area, layer 6a/b	VISC6a	10300
247	Auditory areas	AUD	10500
1011	Dorsal auditory area	AUDd	10600
527	Dorsal auditory area, layer 1	AUDd1	10700
600	Dorsal auditory area, layer 2/3	AUDd2/3	10800
678	Dorsal auditory area, layer 4	AUDd4	10900
252	Dorsal auditory area, layer 5	AUDd5	11000
156	Dorsal auditory area, layer 6a/b	AUDd6a	11100
1002	Primary auditory area	AUDp	11300
735	Primary auditory area, layer 1	AUDp1	11400
251	Primary auditory area, layer 2/3	AUDp2/3	11500

816	Primary auditory area, layer 4	AUDp4	11600
847	Primary auditory area, layer 5	AUDp5	11700
954	Primary auditory area, layer 6a/b	AUDp6a	11800
1027	Posterior auditory area	AUDpo	12000
696	Posterior auditory area, layer 1	AUDpo1	12100
643	Posterior auditory area, layer 2/3	AUDpo2/3	12200
759	Posterior auditory area, layer 4	AUDpo4	12300
791	Posterior auditory area, layer 5	AUDpo5	12400
249	Posterior auditory area, layer 6a/b	AUDpo6a	12500
1018	Ventral auditory area	AUDv	12700
959	Ventral auditory area, layer 1	AUDv1	12800
755	Ventral auditory area, layer 2/3	AUDv2/3	12900
990	Ventral auditory area, layer 4	AUDv4	13000
1023	Ventral auditory area, layer 5	AUDv5	13100
520	Ventral auditory area, layer 6a/b	AUDv6a	13200
669	Visual areas	VIS	13400
402	Anterolateral visual area	VISal	14100
1074	Anterolateral visual area, layer 1	VISal1	14200
905	Anterolateral visual area, layer 2/3	VISal2/3	14300
1114	Anterolateral visual area, layer 4	VISal4	14400
233	Anterolateral visual area, layer 5	VISal5	14500
601	Anterolateral visual area, layer 6a/b	VISal6a	14600
394	Anteromedial visual area	VISam	14800
281	Anteromedial visual area, layer 1	VISam1	14900
1066	Anteromedial visual area, layer 2/3	VISam2/3	15000
401	Anteromedial visual area, layer 4	VISam4	15100
433	Anteromedial visual area, layer 5	VISam5	15200
1046	Anteromedial visual area, layer 6a/b	VISam6a	15300
409	Lateral visual area	VISl	15500
421	Lateral visual area, layer 1	VISl1	15600
973	Lateral visual area, layer 2/3	VISl2/3	15700
573	Lateral visual area, layer 4	VISl4	15800
613	Lateral visual area, layer 5	VISl5	15900
74	Lateral visual area, layer 6a/b	VISl6a	16000
385	Primary visual area	VISp	16200
593	Primary visual area, layer 1	VISp1	16300
821	Primary visual area, layer 2/3	VISp2/3	16400
721	Primary visual area, layer 4	VISp4	16500
778	Primary visual area, layer 5	VISp5	16600
33	Primary visual area, layer 6a/b	VISp6a	16700
425	Posterolateral visual area	VISpl	16900
750	Posterolateral visual area, layer 1	VISpl1	17000
269	Posterolateral visual area, layer 2/3	VISpl2/3	17100
869	Posterolateral visual area, layer 4	VISpl4	17200
902	Posterolateral visual area, layer 5	VISpl5	17300
377	Posterolateral visual area, layer 6a/b	VISpl6a	17400
533	Posteromedial visual area	VISpm	17600
805	Posteromedial visual area, layer 1	VISpm1	17700
41	Posteromedial visual area, layer 2/3	VISpm2/3	17800
501	Posteromedial visual area, layer 4	VISpm4	17900
565	Posteromedial visual area, layer 5	VISpm5	18000

257	Posteromedial visual area, layer 6a/b	VISpm6a	18100
31	Anterior cingulate area	ACA	18300
39	Anterior cingulate area, dorsal part	ACAd	18900
935	Anterior cingulate area, dorsal part, layer 1	ACAd1	19000
211	Anterior cingulate area, dorsal part, layer 2/3	ACAd2/3	19100
1015	Anterior cingulate area, dorsal part, layer 5	ACAd5	19200
919	Anterior cingulate area, dorsal part, layer 6a/b	ACAd6a	19300
48	Anterior cingulate area, ventral part	ACAv	19500
588	Anterior cingulate area, ventral part, layer 1	ACAv1	19600
296	Anterior cingulate area, ventral part, layer 2/3	ACAv2/3	19700
772	Anterior cingulate area, ventral part, layer 5	ACAv5	19800
810	Anterior cingulate area, ventral part, 6a/b	ACAv6a	19900
972	Prelimbic area	PL	20100
171	Prelimbic area, layer 1	PL1	20200
195	Prelimbic area, layer 2	PL2	20300
304	Prelimbic area, layer 2/3	PL2/3	20400
363	Prelimbic area, layer 5	PL5	20500
84	Prelimbic area, layer 6a/b	PL6a	20600
714	Orbital area	ORB	20800
723	Orbital area, lateral part	ORB1	21400
448	Orbital area, lateral part, layer 1	ORB11	21500
412	Orbital area, lateral part, layer 2/3	ORB12/3	21600
630	Orbital area, lateral part, layer 5	ORB15	21700
440	Orbital area, lateral part, layer 6a/b	ORB16a	21800
731	Orbital area, medial part	ORBm	22000
484	Orbital area, medial part, layer 1	ORBm1	22100
524	Orbital area, medial part, layer 2	ORBm2	22200
582	Orbital area, medial part, layer 2/3	ORBm2/3	22300
620	Orbital area, medial part, layer 5	ORBm5	22400
910	Orbital area, medial part, layer 6a/b	ORBm6a	22500
738	Orbital area, ventral part	ORBv1	22700
969	Orbital area, ventrolateral part, layer 1	ORBv11	22800
288	Orbital area, ventrolateral part, layer 2/3	ORBv12/3	22900
1125	Orbital area, ventrolateral part, layer 5	ORBv15	23000
608	Orbital area, ventrolateral part, layer 6a/b	ORBv16a	23100
95	Agranular insular area	AI	23300
104	Agranular insular area, dorsal part	AI _d	23400
996	Agranular insular area, dorsal part, layer 1	AI _{d1}	23500
328	Agranular insular area, dorsal part, layer 2/3	AI _{d2/3}	23600
1101	Agranular insular area, dorsal part, layer 5	AI _{d5}	23700
783	Agranular insular area, dorsal part, layer 6a/b	AI _{d6a}	23800
111	Agranular insular area, posterior part	AI _p	24000
120	Agranular insular area, posterior part, layer 1	AI _{p1}	24100
163	Agranular insular area, posterior part, layer 2/3	AI _{p2/3}	24200
344	Agranular insular area, posterior part, layer 5	AI _{p5}	24300
314	Agranular insular area, posterior part, layer 6a/b	AI _{p6a}	24400
119	Agranular insular area, ventral part	AI _v	24600
704	Agranular insular area, ventral part, layer 1	AI _{v1}	24700
694	Agranular insular area, ventral part, layer 2/3	AI _{v2/3}	24800
800	Agranular insular area, ventral part, layer 5	AI _{v5}	24900
675	Agranular insular area, ventral part, layer 6a/b	AI _{v6a}	25000

254	Retrosplenial area	RSP	25200
894	Retrosplenial area, lateral agranular part	RSPagl	25300
671	Retrosplenial area, lateral agranular part, layer 1	RSPagl1	25400
965	Retrosplenial area, lateral agranular part, layer 2/3	RSPagl2/3	25500
774	Retrosplenial area, lateral agranular part, layer 5	RSPagl5	25600
906	Retrosplenial area, lateral agranular part, layer 6a/b	RSPagl6a	25700
879	Retrosplenial area, dorsal part	RSPd	25900
442	Retrosplenial area, dorsal part, layer 1	RSPd1	26000
434	Retrosplenial area, dorsal part, layer 2/3	RSPd2/3	26100
610	Retrosplenial area, dorsal part, layer 5	RSPd5	26300
274	Retrosplenial area, dorsal part, layer 6a/b	RSPd6a	26400
886	Retrosplenial area, ventral part	RSPv	26600
542	Retrosplenial area, ventral part, layer 1	RSPv1	26700
606	Retrosplenial area, ventral part, layer 2	RSPv2	26800
430	Retrosplenial area, ventral part, layer 2/3	RSPv2/3	26900
687	Retrosplenial area, ventral part, layer 5	RSPv5	27000
590	Retrosplenial area, ventral part, layer 6a/b	RSPv6a	27100
22	Posterior parietal association areas	PTLp	27300
532	Posterior parietal association areas, layer 1	PTLp1	27400
241	Posterior parietal association areas, layer 2/3	PTLp2/3	27500
635	Posterior parietal association areas, layer 4	PTLp4	27600
683	Posterior parietal association areas, layer 5	PTLp5	27700
308	Posterior parietal association areas, layer 6a/b	PTLp6a	27800
541	Temporal association areas	TEa	28000
97	Temporal association areas, layer 1	TEa1	28100
1127	Temporal association areas, layer 2/3	TEa2/3	28200
234	Temporal association areas, layer 4	TEa4	28300
289	Temporal association areas, layer 5	TEa5	28400
729	Temporal association areas, layer 6a/b	TEa6a	28500
922	Perirhinal area	PERI	28700
335	Perirhinal area, layer 6a	PERI6a	28800
540	Perirhinal area, layer 1	PERI1	29000
692	Perirhinal area, layer 5	PERI5	29100
888	Perirhinal area, layer 2/3	PERI2/3	29200
895	Ectorhinal area	ECT	29300
836	Ectorhinal area/Layer 1	ECT1	29400
427	Ectorhinal area/Layer 2/3	ECT2/3	29500
988	Ectorhinal area/Layer 5	ECT5	29600
977	Ectorhinal area/Layer 6a/b	ECT6a	29700
698	Olfactory areas	OLF	29900
507	Main olfactory bulb	MOB	30000
212	Main olfactory bulb, glomerular layer	MOBgl	30100
220	Main olfactory bulb, granule layer	MOBgr	30200
228	Main olfactory bulb, inner plexiform layer	MOBipl	30300
236	Main olfactory bulb, mitral layer	MOBmi	30400
244	Main olfactory bulb, outer plexiform layer	MOBopl	30500
151	Accessory olfactory bulb	AOB	30600
188	Accessory olfactory bulb, glomerular layer	AOBgl	30700
196	Accessory olfactory bulb, granular layer	AOBgr	30800
204	Accessory olfactory bulb, mitral layer	AOBmi	30900
159	Anterior olfactory nucleus	AON	31000

167	Anterior olfactory nucleus, dorsal part	AONd	31100
175	Anterior olfactory nucleus, external part	AONe	31200
183	Anterior olfactory nucleus, lateral part	AONl	31300
191	Anterior olfactory nucleus, medial part	AONm	31400
199	Anterior olfactory nucleus, posteroventral part	AONpv	31500
160	Anterior olfactory nucleus, layer 1	AON1	31600
589	Taenia tecta	TT	31800
1034	Taenia tecta, dorsal part, layer 1	TTd1	32100
1042	Taenia tecta, dorsal part, layer 2	TTd2	32200
1050	Taenia tecta, dorsal part, layer 3	TTd3	32300
1059	Taenia tecta, dorsal part, layer 4	TTd4	32400
1067	Taenia tecta, ventral part, layer 1	TTv1	32700
1075	Taenia tecta, ventral part, layer 2	TTv2	32800
1082	Taenia tecta, ventral part, layer 3	TTv3	32900
814	Dorsal peduncular area	DP	33000
496	Dorsal peduncular area, layer 1	DP1	33100
360	Dorsal peduncular area, layer 2/3	DP2/3	33300
646	Dorsal peduncular area, layer 5	DP5	33400
267	Dorsal peduncular area, layer 6a/b	DP6a	33500
961	Piriform area	PIR	33600
276	Piriform area, molecular layer	PIR1	33800
284	Piriform area, pyramidal layer	PIR2	33900
291	Piriform area, polymorph layer	PIR3	34000
619	Nucleus of the lateral olfactory tract	NLOT	34100
260	Nucleus of the lateral olfactory tract, molecular layer	NLOT1	34300
268	Nucleus of the lateral olfactory tract, pyramidal layer	NLOT2	34400
1139	Nucleus of the lateral olfactory tract, layer 3	NLOT3	34500
631	Cortical amygdalar area	COA	34600
639	Cortical amygdalar area, anterior part	COAa	34700
192	Cortical amygdalar area, anterior part, layer 1	COAa1	34800
200	Cortical amygdalar area, anterior part, layer 2	COAa2	34900
647	Cortical amygdalar area, posterior part	COAp	35100
655	Cortical amygdalar area, posterior part, lateral zone	COapl	35200
216	Cortical amygdalar area, posterior part, lateral zone, layer 1	COapl1	35500
224	Cortical amygdalar area, posterior part, lateral zone, layer 2	COapl2	35600
232	Cortical amygdalar area, posterior part, lateral zone, layer 3	COapl3	35700
663	Cortical amygdalar area, posterior part, medial zone	COApM	35800
240	Cortical amygdalar area, posterior part, medial zone, layer 1	COApM1	36100
248	Cortical amygdalar area, posterior part, medial zone, layer 2	COApM2	36200
256	Cortical amygdalar area, posterior part, medial zone, layer 3	COApM3	36300
788	Piriform-amygdalar area	PAA	36400
408	Piriform-amygdalar area, molecular layer	PAA1	36600

416	Piriform-amyg达尔 area, pyramidal layer	PAA2	36700
424	Piriform-amyg达尔 area, polymorph layer	PAA3	36800
566	Postpiriform transition area	TR	36900
1140	Postpiriform transition area, layers 1	TR1	37100
1089	Hippocampal formation	HPF	37400
1080	Hippocampal region	HIP	37500
375	Ammon's horn	CA	37600
382	Field CA1	CA1	37700
391	Field CA1, stratum lacunosum-moleculare	CA1slm	37800
399	Field CA1, stratum oriens	CA1so	37900
407	Field CA1, pyramidal layer	CA1sp	38000
415	Field CA1, stratum radiatum	CA1sr	38100
423	Field CA2	CA2	38200
431	Field CA2, stratum lacunosum-moleculare	CA2slm	38300
438	Field CA2, stratum oriens	CA2so	38400
446	Field CA2, pyramidal layer	CA2sp	38500
454	Field CA2, stratum radiatum	CA2sr	38600
463	Field CA3	CA3	38700
471	Field CA3, stratum lacunosum-moleculare	CA3slm	38800
479	Field CA3, stratum lucidum	CA3slu	38900
486	Field CA3, stratum oriens	CA3so	39000
495	Field CA3, pyramidal layer	CA3sp	39100
504	Field CA3, stratum radiatum	CA3sr	39200
726	Dentate gyrus	DG	39300
10703	Dentate gyrus, molecular layer	DG-mo	39400
10704	Dentate gyrus, polymorph layer	DG-po	39500
632	Dentate gyrus, granule cell layer	DG-sg	39600
982	Fasciola cinerea	FC	41000
19	Induseum griseum	IG	41100
822	Retrohippocampal region	RHP	41200
909	Entorhinal area	ENT	41300
918	Entorhinal area, lateral part	ENTl	41350
1121	Entorhinal area, lateral part, layer 1	ENTl1	41400
20	Entorhinal area, lateral part, layer 2	ENTl2	41500
999	Entorhinal area, lateral part, layer 2/3	ENTl2/3	41600
715	Entorhinal area, lateral part, layer 2a	ENTl2a	41700
764	Entorhinal area, lateral part, layer 2b	ENTl2b	41800
52	Entorhinal area, lateral part, layer 3	ENTl3	41900
92	Entorhinal area, lateral part, layer 4	ENTl4	42000
312	Entorhinal area, lateral part, layer 4/5	ENTl4/5	42100
139	Entorhinal area, lateral part, layer 5	ENTl5	42200
28	Entorhinal area, lateral part, layer 6a	ENTl6a	42400
60	Entorhinal area, lateral part, layer 6b	ENTm	42700
926	Entorhinal area, medial part, dorsal zone	ENTm1	42800
526	Entorhinal area, medial part, dorsal zone, layer 1	ENTm2	42900
468	Entorhinal area, medial part, dorsal zone, layer 2a	ENTm2a	43000
508	Entorhinal area, medial part, dorsal zone, layer 2b	ENTm2b	43100
664	Entorhinal area, medial part, dorsal zone, layer 3	ENTm3	43200
712	Entorhinal area, medial part, dorsal zone, layer 4	ENTm4	43300
727	Entorhinal area, medial part, dorsal zone, layer 5	ENTm5	43400
743	Entorhinal area, medial part, dorsal zone, layer 6	ENTm6	43600

934	Entorhinal area, medial part, ventral zone	ENTmv	43700
259	Entorhinal area, medial part, ventral zone, layer 1	ENTmv1	43800
324	Entorhinal area, medial part, ventral zone, layer 2	ENTmv2	43900
371	Entorhinal area, medial part, ventral zone, layer 3	ENTmv3	44000
1133	Entorhinal area, medial part, ventral zone, layer 5/6	ENTmv5/6	44200
843	Parasubiculum	PAR	44300
1037	Postsubiculum	POST	44700
10696	Postsubiculum, layer 1	POST1	44800
1084	Presubiculum	PRE	45100
502	Subiculum	SUB	45500
509	Subiculum, dorsal part	SUBd	45600
829	Subiculum, dorsal part, molecular layer	SUBd-m	45700
845	Subiculum, dorsal part, pyramidal layer	SUBd-sp	45800
837	Subiculum, dorsal part, stratum radiatum	SUBd-sr	45900
518	Subiculum, ventral part	SUBv	46000
853	Subiculum, ventral part, molecular layer	SUBv-m	46100
870	Subiculum, ventral part, pyramidal layer	SUBv-sp	46200
861	Subiculum, ventral part, stratum radiatum	SUBv-sr	46300
703	Cortical subplate	CTXsp	46400
583	Clastrum	CLA	46600
942	Endopiriform nucleus	EP	46700
952	Endopiriform nucleus, dorsal part	EPd	46800
966	Endopiriform nucleus, ventral part	EPv	46900
131	Lateral amygdalar nucleus	LA	47000
295	Basolateral amygdalar nucleus	BLA	47100
303	Basolateral amygdalar nucleus, anterior part	BLAa	47200
311	Basolateral amygdalar nucleus, posterior part	BLAp	47300
451	Basolateral amygdalar nucleus, ventral part	BLAv	47400
319	Basomedial amygdalar nucleus	BMA	47500
327	Basomedial amygdalar nucleus, anterior part	BMAa	47600
334	Basomedial amygdalar nucleus, posterior part	BMAp	47700
780	Posterior amygdalar nucleus	PA	47800
623	Cerebral nuclei	CNU	47900
477	Striatum	STR	48000
485	Striatum dorsal region	STRd	48100
672	Caudoputamen	CP	48200
493	Striatum ventral region	STRv	48300
56	Nucleus accumbens	ACB	48400
998	Fundus of striatum	FS	48500
754	Olfactory tubercle	OT	48600
481	Islands of Calleja	isl	48700
489	Major island of Calleja	islm	48800
458	Olfactory tubercle, molecular layer	OT1	49000
465	Olfactory tubercle, pyramidal layer	OT2	49100
473	Olfactory tubercle, polymorph layer	OT3	49200
275	Lateral septal complex	LSX	49300
242	Lateral septal nucleus	LS	49400
250	Lateral septal nucleus, caudal (caudodorsal) part	LSc	49500
258	Lateral septal nucleus, rostral (rostroventral) part	LSr	49600
266	Lateral septal nucleus, ventral part	LSv	49700
310	Septofimbrial nucleus	SF	49800

333	Septohippocampal nucleus	SH	49900
278	Striatum-like amygdalar nuclei	sAMY	50000
23	Anterior amygdalar area	AAA	50100
292	Bed nucleus of the accessory olfactory tract	BA	50200
536	Central amygdalar nucleus	CEA	50300
544	Central amygdalar nucleus, capsular part	CEAc	50400
551	Central amygdalar nucleus, lateral part	CEAl	50500
559	Central amygdalar nucleus, medial part	CEAm	50600
1105	Intercalated amygdalar nucleus	IA	50700
403	Medial amygdalar nucleus	MEA	50800
411	Medial amygdalar nucleus, anterodorsal part	MEAad	50900
418	Medial amygdalar nucleus, anteroventral part	MEAav	51000
426	Medial amygdalar nucleus, posterodorsal part	MEApd	51100
472	Medial amygdalar nucleus, posterodorsal part, sublayer a	MEApd-a	51200
480	Medial amygdalar nucleus, posterodorsal part, sublayer b	MEApd-b	51300
487	Medial amygdalar nucleus, posterodorsal part, sublayer c	MEApd-c	51400
435	Medial amygdalar nucleus, posteroventral part	MEApv	51500
803	Pallidum	PAL	51600
818	Pallidum, dorsal region	PALd	51700
1022	Globus pallidus, external segment	GPe	51800
1031	Globus pallidus, internal segment	GPi	51900
835	Pallidum, ventral region	PALv	52000
342	Substantia innominata	SI	52100
298	Magnocellular nucleus	MA	52200
826	Pallidum, medial region	PALm	52300
904	Medial septal complex	MSC	52400
564	Medial septal nucleus	MS	52500
596	Diagonal band nucleus	NDB	52600
581	Triangular nucleus of septum	TRS	52700
809	Pallidum, caudal region	PALc	52800
351	Bed nuclei of the stria terminalis	BST	52900
359	Bed nuclei of the stria terminalis, anterior division	BSTA	53000
537	Bed nuclei of the stria terminalis, anterior division, anterolateral area	BSTal	53100
498	Bed nuclei of the stria terminalis, anterior division, anteromedial area	BSTam	53200
505	Bed nuclei of the stria terminalis, anterior division, dorsomedial nucleus	BSTdm	53300
513	Bed nuclei of the stria terminalis, anterior division, fusiform nucleus	BSTfu	53400
546	Bed nuclei of the stria terminalis, anterior division, juxtapcapsular nucleus	BSTju	53500
521	Bed nuclei of the stria terminalis, anterior division, magnocellular nucleus	BSTmg	53600
554	Bed nuclei of the stria terminalis, anterior division, oval nucleus	BSTov	53700
562	Bed nuclei of the stria terminalis, anterior division, rhomboid nucleus	BSTrh	53800
529	Bed nuclei of the stria terminalis, anterior division, ventral nucleus	BSTv	53900
367	Bed nuclei of the stria terminalis, posterior division	BSTp	54000
569	Bed nuclei of the stria terminalis, posterior division, dorsal	BSTD	54100

	nucleus		
578	Bed nuclei of the stria terminalis, posterior division, principal nucleus	BSTpr	54200
585	Bed nuclei of the stria terminalis, posterior division, interfascicular nucleus	BSTif	54300
594	Bed nuclei of the stria terminalis, posterior division, transverse nucleus	BSTtr	54400
602	Bed nuclei of the stria terminalis, posterior division, stria extension	BSTse	54500
343	Brain stem	BS	63300
1129	Interbrain	IB	63400
549	Thalamus	TH	63500
864	Thalamus, sensory-motor cortex related	DORsm	63600
637	Ventral group of the dorsal thalamus	VENT	63700
629	Ventral anterior-lateral complex of the thalamus	VAL	63800
685	Ventral medial nucleus of the thalamus	VM	63900
709	Ventral posterior complex of the thalamus	VP	64000
718	Ventral posterolateral nucleus of the thalamus	VPL	64100
725	Ventral posterolateral nucleus of the thalamus, parvicellular part	VPLpc	64200
733	Ventral posteromedial nucleus of the thalamus	VPM	64300
741	Ventral posteromedial nucleus of the thalamus, parvicellular part	VPMpc	64400
406	Subparafascicular nucleus	SPF	64500
414	Subparafascicular nucleus, magnocellular part	SPFm	64600
422	Subparafascicular nucleus, parvicellular part	SPFp	64700
609	Subparafascicular area	SPA	64800
1044	Peripeduncular nucleus	PP	64900
1008	Geniculate group, dorsal thalamus	GENd	65000
475	Medial geniculate complex	MG	65100
1072	Medial geniculate complex, dorsal part	MGd	65200
1079	Medial geniculate complex, ventral part	MGv	65300
1088	Medial geniculate complex, medial part	MGm	65400
170	Dorsal part of the lateral geniculate complex	LGd	65500
856	Thalamus, polymodal association cortex related	DORpm	65600
138	Lateral group of the dorsal thalamus	LAT	65700
218	Lateral posterior nucleus of the thalamus	LP	65800
1020	Posterior complex of the thalamus	PO	65900
1029	Posterior limiting nucleus of the thalamus	POL	66000
325	Suprageniculate nucleus	SGN	66100
239	Anterior group of the dorsal thalamus	ATN	66200
255	Anteroventral nucleus of thalamus	AV	66300
127	Anteromedial nucleus	AM	66400
1096	Anteromedial nucleus, dorsal part	AMd	66500
1104	Anteromedial nucleus, ventral part	AMv	66600
64	Anterodorsal nucleus	AD	66700
1120	Interanteromedial nucleus of the thalamus	IAM	66800
1113	Interanterodorsal nucleus of the thalamus	IAD	66900
155	Lateral dorsal nucleus of thalamus	LD	67000
444	Medial group of the dorsal thalamus	MED	67100
59	Intermediodorsal nucleus of the thalamus	IMD	67200
362	Mediodorsal nucleus of thalamus	MD	67300

617	Mediodorsal nucleus of the thalamus, central part	MDc	67400
626	Mediodorsal nucleus of the thalamus, lateral part	MDl	67500
636	Mediodorsal nucleus of the thalamus, medial part	MDm	67600
366	Submedial nucleus of the thalamus	SMT	67700
1077	Perireunensis nucleus	PR	67800
571	Midline group of the dorsal thalamus	MTN	67900
149	Paraventricular nucleus of the thalamus	PVT	68000
15	Parataenial nucleus	PT	68100
181	Nucleus of reunions	RE	68200
51	Intralaminar nuclei of the dorsal thalamus	ILM	68300
189	Rhomboïd nucleus	RH	68400
599	Central medial nucleus of the thalamus	CM	68500
907	Paracentral nucleus	PCN	68600
575	Central lateral nucleus of the thalamus	CL	68700
262	Reticular nucleus of the thalamus	RT	68900
1014	Geniculate group, ventral thalamus	GENv	69000
27	Intergeniculate leaflet of the lateral geniculate complex	IGL	69100
178	Ventral part of the lateral geniculate complex	LGv	69200
321	Subgeniculate nucleus	SubG	69500
958	Epithalamus	EPI	69600
483	Medial habenula	MH	69700
186	Lateral habenula	LH	69800
1097	Hypothalamus	HY	70000
157	Periventricular zone	PVZ	70100
390	Supraoptic nucleus	SO	70200
332	Accessory supraoptic group	ASO	70300
432	Nucleus circularis	NC	70400
38	Paraventricular hypothalamic nucleus	PVH	70500
71	Paraventricular hypothalamic nucleus, magnocellular division	PVHm	70600
47	Paraventricular hypothalamic nucleus, magnocellular division, anterior magnocellular part	PVHmm	70800
79	Paraventricular hypothalamic nucleus, magnocellular division, medial magnocellular part	PVHpm	70900
103	Paraventricular hypothalamic nucleus, magnocellular division, posterior magnocellular part	PVHpmI	71000
652	Paraventricular hypothalamic nucleus, magnocellular division, posterior magnocellular part, lateral zone	PVHpmM	71100
660	Paraventricular hypothalamic nucleus, magnocellular division, posterior magnocellular part, medial zone	PVHp	71200
94	Paraventricular hypothalamic nucleus, parvicellular division	PVHap	71300
55	Paraventricular hypothalamic nucleus, parvicellular division, anterior parvicellular part	PVHmpd	71400
87	Paraventricular hypothalamic nucleus, parvicellular division, medial parvicellular part, dorsal zone	PVHPv	71500
110	Paraventricular hypothalamic nucleus, parvicellular division, periventricular part	PVa	71600
30	Periventricular hypothalamic nucleus, anterior part	PVi	71700
118	Periventricular hypothalamic nucleus, intermediate part	ARH	71800
223	Arcuate hypothalamic nucleus	PVR	71900
141	Periventricular region	ADP	72000

72	Anterodorsal preoptic nucleus	AVP	72200
263	Anteroventral preoptic nucleus	AVPV	72300
272	Anteroventral periventricular nucleus	DMH	72400
830	Dorsomedial nucleus of the hypothalamus	DMHa	72500
668	Dorsomedial nucleus of the hypothalamus, anterior part	DMHp	72600
676	Dorsomedial nucleus of the hypothalamus, posterior part	DMHv	72700
684	Dorsomedial nucleus of the hypothalamus, ventral part	MEPO	72800
452	Median preoptic nucleus	MPO	72900
523	Medial preoptic area	PS	73200
1109	Parastrial nucleus	PVp	73400
126	Periventricular hypothalamic nucleus, posterior part	PVpo	73500
133	Periventricular hypothalamic nucleus, preoptic part	SBPV	73600
347	Subparaventricular zone	SCH	73700
286	Suprachiasmatic nucleus	SFO	73800
338	Subfornical organ	VLPO	73900
689	Ventrolateral preoptic nucleus	MEZ	74000
467	Hypothalamic medial zone	AHN	74100
88	Anterior hypothalamic nucleus	AHNa	74200
700	Anterior hypothalamic nucleus, anterior part	AHNC	74300
708	Anterior hypothalamic nucleus, central part	AHNp	74500
724	Anterior hypothalamic nucleus, posterior part	MBO	74600
331	Mammillary body	LM	74700
210	Lateral mammillary nucleus	MM	74800
491	Medial mammillary nucleus	Mmme	74900
732	Medial mammillary nucleus, median part	SUM	75000
525	Supramammillary nucleus	SUMl	75100
1110	Supramammillary nucleus, lateral part	SUMm	75200
1118	Supramammillary nucleus, medial part	TM	75300
557	Tuberomammillary nucleus	TMd	75400
1126	Tuberomammillary nucleus, dorsal part	TMv	75500
1	Tuberomammillary nucleus, ventral part	MPN	75600
515	Medial preoptic nucleus	MPNc	75700
740	Medial preoptic nucleus, central part	MPNI	75800
748	Medial preoptic nucleus, lateral part	MPNm	75900
756	Medial preoptic nucleus, medial part	PMd	76000
980	Dorsal premammillary nucleus	PMv	76100
1004	Ventral premammillary nucleus	PVHd	76200
63	Paraventricular hypothalamic nucleus, descending division	PVHdp	76300
439	Paraventricular hypothalamic nucleus, descending division, dorsal parvicellular part	PVHf	76400
447	Paraventricular hypothalamic nucleus, descending division, forniceal part	PVHlp	76500
455	Paraventricular hypothalamic nucleus, descending division, lateral parvicellular part	PVHmpv	76600
464	Paraventricular hypothalamic nucleus, descending division, medial parvicellular part, ventral zone	VMH	76700
693	Ventromedial hypothalamic nucleus	VMHa	76800
761	Ventromedial hypothalamic nucleus, anterior part	VMHc	76900
769	Ventromedial hypothalamic nucleus, central part	VMHdm	77000
777	Ventromedial hypothalamic nucleus, dorsomedial part	VMHvl	77100
785	Ventromedial hypothalamic nucleus, ventrolateral part	PH	77150
946	Posterior hypothalamic nucleus	LZ	77200

290	Hypothalamic lateral zone	LHA	77300
194	Lateral hypothalamic area	LPO	77400
226	Lateral preoptic area	PST	77600
356	Preparasubthalamic nucleus	PSTN	77700
364	Parasubthalamic nucleus	RCH	77800
173	Retrochiasmatic area	STN	77900
470	Subthalamic nucleus	TU	78000
614	Tuberal nucleus	ZI	78100
797	Zona incerta	FF	78300
804	Fields of Forel	MB	78500
313	Midbrain	MBsen	78600
339	Midbrain, sensory related	SCs	78700
302	Superior colliculus, sensory related	SCop	78800
851	Superior colliculus, optic layer	SCsg	78900
842	Superior colliculus, superficial gray layer	SCzo	79000
834	Superior colliculus, zonal layer	IC	79100
4	Inferior colliculus	ICc	79200
811	Inferior colliculus, central nucleus	ICd	79300
820	Inferior colliculus, dorsal nucleus	ICe	79400
828	Inferior colliculus, external nucleus	NB	79500
580	Nucleus of the brachium of the inferior colliculus	SAG	79600
271	Nucleus sagulum	PBG	79700
874	Parabigeminal nucleus	MEV	79800
460	Midbrain trigeminal nucleus	MBmot	79900
323	Midbrain, motor related	SNr	80000
381	Substantia nigra, reticular part	VTA	80100
749	Ventral tegmental area	RR	80200
246	Midbrain reticular nucleus, retrotrubral area	MRN	80300
128	Midbrain reticular nucleus	MRNmrg	80500
548	Midbrain reticular nucleus, magnocellular part, general	SCm	80700
294	Superior colliculus, motor related	SCdg	80800
26	Superior colliculus, motor related, deep gray layer	SCdw	80900
42	Superior colliculus, motor related, deep white layer	SCiw	81000
17	Superior colliculus, motor related, intermediate white layer	SCig	81100
10	Superior colliculus, motor related, intermediate gray layer	SCig-a	81200
494	Superior colliculus, motor related, intermediate gray layer, sublayer a	SCig-b	81300
503	Superior colliculus, motor related, intermediate gray layer, sublayer b	SCig-c	81400
511	Superior colliculus, motor related, intermediate gray layer, sublayer c	PAG	81500
795	Periaqueductal gray	PRC	81600
50	Precommissural nucleus	INC	81700
67	Interstitial nucleus of Cajal	ND	81800
587	Nucleus of Darkschewitsch	PRT	81900
1100	Pretectal region	APN	82000
215	Anterior pretectal nucleus	MPT	82100
531	Medial pretectal area	NOT	82200
628	Nucleus of the optic tract	NPC	82300
634	Nucleus of the posterior commissure	OP	82400
706	Olivary pretectal nucleus	PPT	82500

1061	Posterior pretectal nucleus	CUN	82600
616	Cuneiform nucleus	RN	82700
214	Red nucleus	III	82800
35	Oculomotor nucleus	EW	82900
975	Edinger-Westphal nucleus	IV	83000
115	Trochlear nucleus	VTN	83100
757	Ventral tegmental nucleus	AT	83200
231	Anterior tegmental nucleus	LT	83300
66	Lateral terminal nucleus of the accessory optic tract	MBsta	83700
348	Midbrain, behavioral state related	SNC	83800
374	Substantia nigra, compact part	PPN	83900
1052	Pedunculopontine nucleus	RAmb	84000
165	Midbrain raphé nuclei	IF	84100
12	Interfascicular nucleus raphé	IPN	84200
100	Interpeduncular nucleus	RL	84300
197	Rostral linear nucleus raphé	CLI	84400
591	Central linear nucleus raphé	DR	84500
872	Dorsal nucleus raphé	HB	84600
1065	Hindbrain	P	84700
771	Pons	P-sen	84800
1132	Pons, sensory related	NLL	84900
612	Nucleus of the lateral lemniscus	NLLd	85000
82	Nucleus of the lateral lemniscus, dorsal part	NLLh	85100
90	Nucleus of the lateral lemniscus, horizontal part	NLLv	85200
99	Nucleus of the lateral lemniscus, ventral part	PSV	85300
7	Principal sensory nucleus of the trigeminal	PB	85400
867	Parabrachial nucleus	KF	85500
123	Kolliker-Fuse subnucleus	PBl	85600
881	Parabrachial nucleus, lateral division	PBlc	85700
860	Parabrachial nucleus, lateral division, central lateral part	PBld	85800
868	Parabrachial nucleus, lateral division, dorsal lateral part	PBle	85900
875	Parabrachial nucleus, lateral division, external lateral part	PBls	86000
883	Parabrachial nucleus, lateral division, superior lateral part	PBlv	86100
891	Parabrachial nucleus, lateral division, ventral lateral part	PBm	86200
890	Parabrachial nucleus, medial division	PBme	86300
899	Parabrachial nucleus, medial division, external medial part	PBmm	86400
915	Parabrachial nucleus, medial division, medial medial part	SOC	86600
398	Superior olfactory complex	POR	86700
122	Superior olfactory complex, periolfactory region	SOCm	86800
105	Superior olfactory complex, medial part	SOCl	86900
114	Superior olfactory complex, lateral part	P-mot	87000
987	Pons, motor related	B	87100
280	Barrington's nucleus	DTN	87200
880	Dorsal tegmental nucleus	PCG	87400
898	Pontine central gray	PG	87500
931	Pontine gray	PRNc	87600
1093	Pontine reticular nucleus, caudal part	SG	87800
318	Supragenual nucleus	SUT	88000
462	Superior salivatory nucleus	TRN	88100
574	Tegmental reticular nucleus	V	88200
621	Motor nucleus of trigeminal	P-sat	88300

1117	Pons, behavioral state related	CS	88400
679	Superior central nucleus raphÈ	CSI	88500
137	Superior central nucleus raphÈ, lateral part	CSm	88600
130	Superior central nucleus raphÈ, medial part	LC	88700
147	Locus ceruleus	LDT	88800
162	Laterodorsal tegmental nucleus	NI	88900
604	Nucleus incertus	PRNr	89000
146	Pontine reticular nucleus	RPO	89100
238	Nucleus raphÈ pontis	SLC	89200
350	Subceruleus nucleus	SLD	89300
358	Sublaterodorsal nucleus	MY	89400
354	Medulla	MY-sen	89500
386	Medulla, sensory related	AP	89600
207	Area postrema	CN	89700
607	Cochlear nuclei	CNlam	89800
112	Granular lamina of the cochlear nuclei	CNspg	89900
560	Cochlear nucleus, subpeduncular granular region	DCO	90000
96	Dorsal cochlear nucleus	VCO	90100
101	Ventral cochlear nucleus	DCN	90200
720	Dorsal column nuclei	CU	90300
711	Cuneate nucleus	GR	90400
1039	Gracile nucleus	ECU	90500
903	External cuneate nucleus	NTB	90600
642	Nucleus of the trapezoid body	NTS	90700
651	Nucleus of the solitary tract	NTSce	90800
659	Nucleus of the solitary tract, central part	NTSco	90900
666	Nucleus of the solitary tract, commissural part	NTSge	91000
674	Nucleus of the solitary tract, gelatinous part	NTSI	91100
682	Nucleus of the solitary tract, lateral part	NTSm	91200
691	Nucleus of the solitary tract, medial part	SPVC	91300
429	Spinal nucleus of the trigeminal, caudal part	SPVI	91400
437	Spinal nucleus of the trigeminal, interpolar part	SPVO	91500
445	Spinal nucleus of the trigeminal, oral part	SPVOcdm	91600
77	Spinal nucleus of the trigeminal, oral part, caudal dorsomedial part	SPVOmdmd	91700
53	Spinal nucleus of the trigeminal, oral part, middle dorsomedial part, dorsal zone	SPVOmdmv	91800
61	Spinal nucleus of the trigeminal, oral part, middle dorsomedial part, ventral zone	SPVOrdm	91900
45	Spinal nucleus of the trigeminal, oral part, rostral dorsomedial part	SPVOvl	92000
69	Spinal nucleus of the trigeminal, oral part, ventrolateral part	MY-mot	92200
370	Medulla, motor related	VI	92300
653	Abducens nucleus	VII	92500
568	Accessory abducens nucleus	ACVII	92600
661	Facial motor nucleus	AMB	92800
576	Accessory facial motor nucleus	AMBd	92900
640	Efferent vestibular nucleus	AMBv	93000
135	Nucleus ambiguus	DMX	93100
839	Dorsal motor nucleus of the vagus nerve	GRN	93300
1048	Gigantocellular reticular nucleus	IO	93500

83	Inferior olfactory complex	IRN	93600
136	Intermediate reticular nucleus	ISN	93700
106	Inferior salivatory nucleus	LIN	93800
203	Linear nucleus of the medulla	LRN	93900
235	Lateral reticular nucleus	LRNm	94000
955	Lateral reticular nucleus, magnocellular part	LRNp	94100
963	Lateral reticular nucleus, parvicellular part	MARN	94200
307	Magnocellular reticular nucleus	MDRN	94300
395	Medullary reticular nucleus	MDRNd	94400
1098	Medullary reticular nucleus, dorsal part	MDRNv	94500
1107	Medullary reticular nucleus, ventral part	PARN	94600
852	Parvicellular reticular nucleus	PAS	94700
859	Parasolitary nucleus	PGRN	94800
938	Paragigantocellular reticular nucleus	PGRNd	94900
970	Paragigantocellular reticular nucleus, dorsal part	PGRNI	95000
978	Paragigantocellular reticular nucleus, lateral part	PHY	95100
154	Perihypoglossal nuclei	NR	95300
177	Nucleus of Roller	PRP	95400
1069	Parapyramidal nucleus	PPY	95600
701	Vestibular nuclei	VNC	95900
209	Lateral vestibular nucleus	LAV	96000
202	Medial vestibular nucleus	MV	96100
225	Spinal vestibular nucleus	SPIV	96200
217	Superior vestibular nucleus	SUV	96300
	<i>ROIs excluded from analyses:</i>		
329	Primary somatosensory area, barrel field	SSp-bfd	4200
1141	Postpiriform transition area, layers 2	TR2	37200
1142	Postpiriform transition area, layers 3	TR3	37300
512	Cerebellum	CB	54700
10693	Parasubiculum, layer 1	PAR1	44400
10694	Parasubiculum, layer 2	PAR2	44500
10695	Parasubiculum, layer 3	PAR3	44600
10697	Postsubiculum, layer 2	POST2	44900
10698	Postsubiculum, layer 3	POST3	45000
10699	Presubiculum, layer 1	PRE1	45200
10701	Presubiculum, layer 3	PRE3	45400
287	Bed nucleus of the anterior commissure	BAC	54600
512	Cerebellum	CB	54700
528	Cerebellar cortex	CBX	54800
645	Vermal regions	VERM	54900
912	Lingula (I)	LING	55000
10707	Lingula (I), molecular layer	LINGmo	55100
10705	Lingula (I), granular layer	LINGgr	55300
920	Central lobule	CENT	55400
976	Lobule II	CENT2	55500

10710	Lobule II, molecular layer	CENT2mo	55600
10708	Lobule II, granular layer	CENT2gr	55800
984	Lobule III	CENT3	55900
10713	Lobule III, molecular layer	CENT3mo	56000
10711	Lobule III, granular layer	CENT3gr	56200
928	Culmen	CUL	56300
1091	Lobules IV-V	CUL4, 5	57200
10722	Lobules IV-V, molecular layer	CUL4, 5mo	57300
10720	Lobules IV-V, granular layer	CUL4, 5gr	57500
936	Declive (VI)	DEC	57600
10725	Declive (VI), molecular layer	DECmo	57700
10723	Declive (VI), granular layer	DECgr	57900
944	Folium-tuber vermis (VII)	FOTU	58000
10728	Folium-tuber vermis (VII), molecular layer	FOTUmo	58100
10726	Folium-tuber vermis (VII), granular layer	FOTUgr	58300
951	Pyramus (VIII)	PYR	58400
10731	Pyramus (VIII), molecular layer	PYRmo	58500
10729	Pyramus (VIII), granular layer	PYRgr	58700
957	Uvula (IX)	UVU	58800
10734	Uvula (IX), molecular layer	UVUmo	58900
10732	Uvula (IX), granular layer	UVUgr	59100
968	Nodulus (X)	NOD	59200
10737	Nodulus (X), molecular layer	NODmo	59300
10735	Nodulus (X), granular layer	NODgr	59500
1073	Hemispheric regions	HEM	59600
1007	Simple lobule	SIM	59700
10674	Simple lobule, molecular layer	SIMmo	59800
10672	Simple lobule, granular layer	SIMgr	60000
1017	Ansiform lobule	AN	60100
1056	Crus 1	ANcr1	60200
10677	Crus 1, molecular layer	ANcr1mo	60300
10675	Crus 1, granular layer	ANcr1gr	60500
1064	Crus 2	ANcr2	60600
10680	Crus 2, molecular layer	ANcr2mo	60700
10679	Crus 2, Purkinje layer	ANcr2pu	60800
10678	Crus 2, granular layer	ANcr2gr	60900
1025	Paramedian lobule	PRM	61000
10683	Paramedian lobule, molecular layer	PRMmo	61100
10681	Paramedian lobule, granular layer	PRMgr	61300
1033	Copula pyramidis	COPY	61400
10686	Copula pyramidis, molecular layer	COPYmo	61500

10685	Copula pyramidis, Purkinje layer	COPYpu	61600
10684	Copula pyramidis, granular layer	COPYgr	61700
1041	Paraflocculus	PFL	61800
10689	Paraflocculus, molecular layer	PFLmo	61900
10687	Paraflocculus, granular layer	PFLgr	62100
1049	Flocculus	FL	62200
10692	Flocculus, molecular layer	FLmo	62300
10690	Flocculus, granular layer	FLgr	62500
519	Cerebellar nuclei	CBN	62900
989	Fastigial nucleus	FN	63000
91	Interposed nucleus	IP	63100
846	Dentate nucleus	DN	63200
930	Parafascicular nucleus	PF	68800
763	Vascular organ of the lamina terminalis	OV	73000
914	Posterodorsal preoptic nucleus	PD	73100
372	Infracerebellar nucleus	ICB	93400
765	Nucleus x	x	96400
773	Hypoglossal nucleus	XII	96500
781	Nucleus y	y	96600
379	Medulla, behavioral state related	MY-sat	96800
206	Nucleus raphÈ magnus	RM	96900
230	Nucleus raphÈ pallidus	RPA	97000
222	Nucleus raphÈ obscurus	RO	97100
1009	fiber tracts	fiber tracts	97200
967	cranial nerves	cm	97300
792	dorsal roots	drt	102000
932	cervicothalamic tract	cett	102100
514	dorsal column	dc	102600
871	spinothalamic tract	sst	103100
277	spinotectal pathway	stp	103800
991	medial forebrain bundle system	mfbs	110500
824	hypothalamus related	mfsbshy	112700
182	propriohypothalamic pathways	php	113700
770	propriohypothalamic pathways, lateral	phpl	113900

