A Predictive Model of the Cat Cortical Connectome Based on Cytoarchitecture and Distance

Sarah F. Beul[1*], Simon Grant[2], Claus C. Hilgetag[1,3]

[1] Department of Computational Neuroscience, University Medical Center Eppendorf, 20246 Hamburg, Germany

[2] Division of Optometry and Visual Science, Henry Wellcome Laboratories for Visual Sciences, City University London, London EC1V 0HB, UK

[3] Department of Health Sciences, Sargent College, Boston University, Boston MA 02215, USA

* s.beul@uke.de

Brain Structure and Function

Online Resource 1

Table of anatomical abbreviations.

1	area 1
2	area 2
4	area 4
7	area 7
17	area 17
18	area 18
19	area 19
35	area 35
36	area 36
20a	area 20a
20b	area 20b
21a	area 21a
21b	area 21b
3a	area 3a
3b	area 3b
4g	area 4γ
5al	lateral area 5a
5am	medial area 5a
5bl	lateral area 5b
5bm	medial area 5b
5m	medial area 5
6l	lateral area 6
6m	medial area 6
AAF	anterior auditory field
AES	anterior ectosylvian sulcus
AI	primary auditory field
AII	secondary auditory field
ALG	anterolateral gyrus
ALLS	anterolateral lateral suprasylvian area
AMLS	anteromedial lateral suprasylvian area

Amyg	amygdala
CGa	anterior cingulate cortex
CGp	posterior cingulate cortex
DLS	dorsolateral suprasylvian area
DP	dorsoposterior auditory field
EPp	posterior part of the posterior ectosylvian gyrus
ER	entorhinal cortex
Hipp	hippocampus proper
Ia	agranular insula
Ig	granular insula
IL	infralimbic area
LA	anterior limbic cortex
P	posterior auditory field
PFCdl	dorsolateral prefrontal cortex
PFCdm	dorsomedial prefrontal cortex
PFCr	rostral prefrontal cortex
PFCv	ventral prefrontal cortex
PL	prelimbic area
PLLS	posterolateral lateral suprasylvian area
PMLS	posteromedial lateral suprasylvian area
POA	presylvian oculomotor area
PS	posterior suprasylvian area
pSb	presubiculum, parasubiculum, and postsubicular cortex
RS	retrosplenial cortex
Sb	subiculum
SII	second somatosensory area
SIV	fourth somatosensory area
SSAi	inner (deep) suprasylvian sulcal region of area 5
SSAo	outer suprasylvian sulcal region of area 5
SSF	suprasylvian fringe
SVA	splenial visual area
Tem	temporal auditory field
V	ventral auditory field
VLS	ventrolateral suprasylvian area
VP	ventroposterior auditory field