

Supplementary Literature Analysis

Overview of data analysis strategy and datasets

Figure S1 summarizes the analysis strategy and datasets used in our study. The studies included in the meta-analysis were collected from the BrainMap database (<http://www.brainmap.org/>). This is an open access database of published functional and structural neuroimaging experiments with coordinate-based results (x,y,z) in Talairach or MNI space. BrainMap uses a structured standardized coding scheme which describes published human neuroimaging experimental results. This taxonomy has been used to describe over 3600 publications and 15000 experiments, drawing upon over 110.000 subjects and reporting over 120.000 coordinates as results. This has been estimated to be 20-30% of the compliant literature in the field. The quality of the coding of each of these papers has been verified by a BrainMap taxonomy expert.

The papers have to respond to the following inclusion criteria:

- 1) *For the decreases*: Experiments Context is Disease AND Experiment Contrast is Gray Matter AND Experiments Observed Changes is Controls>Patients;
- 2) *For the increases*: Experiments Context is Disease AND Experiment Contrast is Gray Matter AND Experiments Observed Changes is Patients>Controls.

All the retrieved experiments with a sample size smaller than 8 subjects were excluded. The same was done for experiments not clearly comparing pathological population with healthy controls, as well as considering subjects “at risk”. The remaining items were then coded according to the ICD-10 system. As a further criterion, all the experiments not coded with F (i.e. Mental, Behavioral and Neurodevelopmental disorders) or G (i.e. Diseases of the nervous system) labels were excluded. From the remaining records, we also expunged those experiments related to codes that could not be considered as primary brain disorders (i.e. F10: Alcohol related disorders; F15: Other stimulant related disorders; F28: Other psychotic disorder not due to a substance or known physiological condition; F91: Conduct disorders; G11: Hereditary ataxia; G43: Migraine; G44: Other headache syndromes; G47: Sleep disorders; G50: Disorders of trigeminal nerve; G71: Primary disorders of muscles).

Figure S1. Flow chart of key steps used to generate the dataset of information, analyzed data and obtain several levels of results.

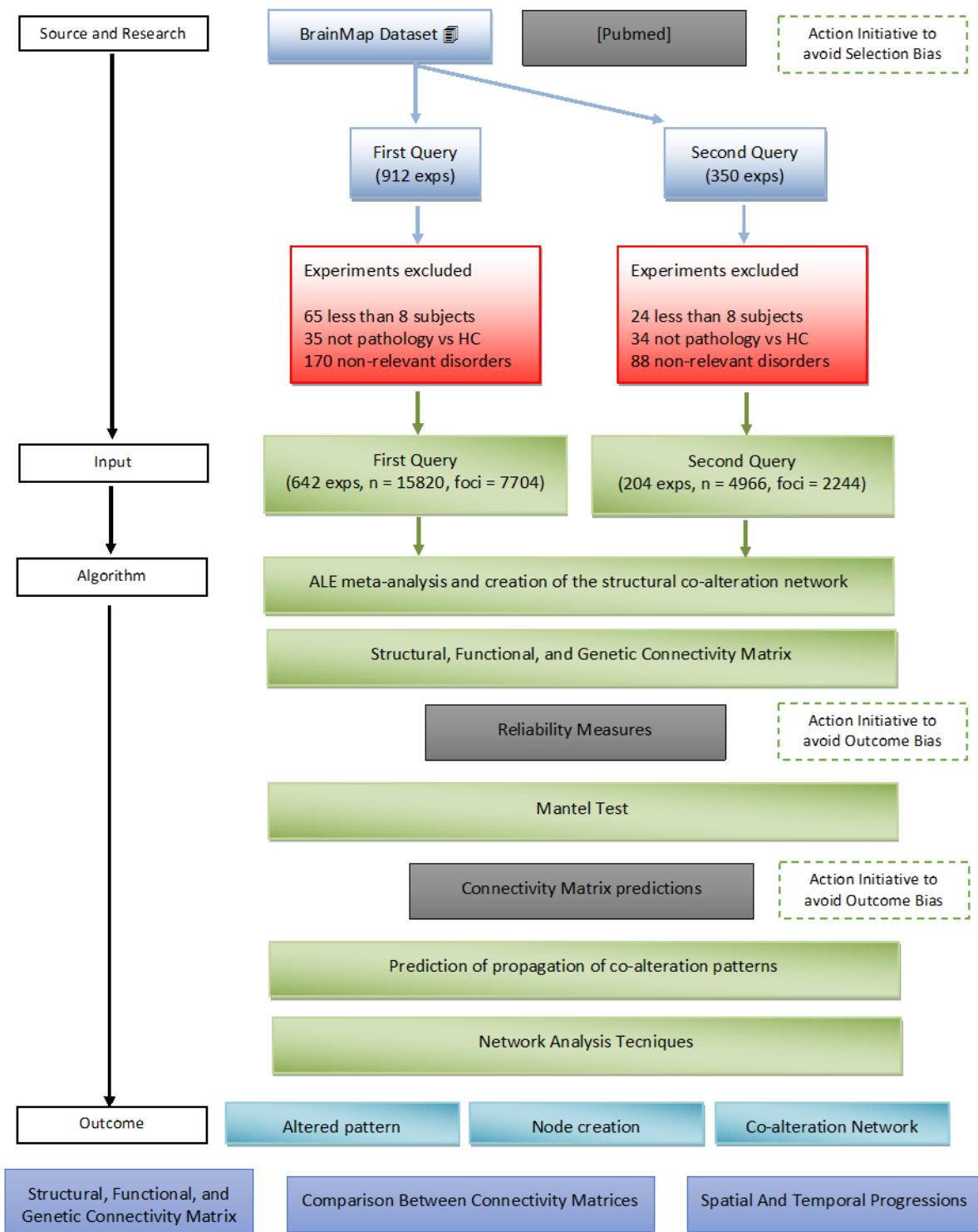
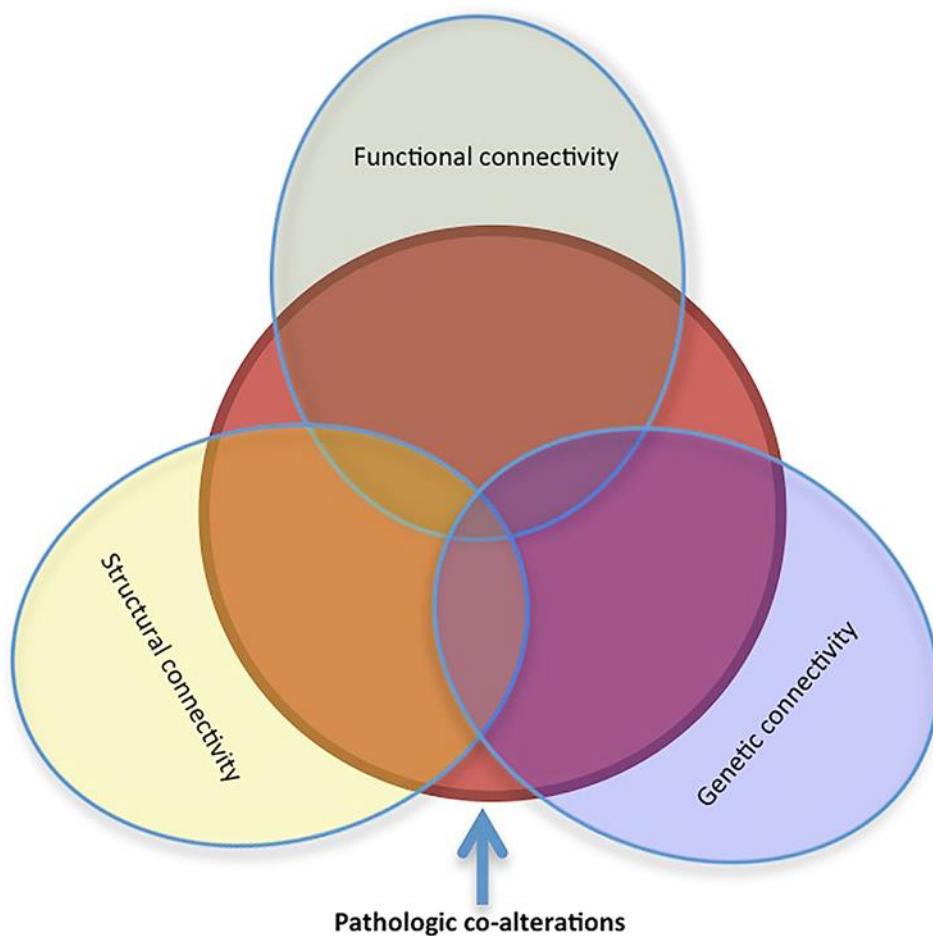


Figure S2. This figure depicts the relationship between the three types of connectivity taken into consideration in this meta-analysis (functional, anatomical, and genetic) and the development of structural co-alterations.



Supplementary Tables

Table S1. Synopsis of the diagnostic spectra in the database used for the analyses.
 Exp (n) = number of experiments; Exp (%) = percentage of the total of the experiments; Subj (n) = number of subjects.

	ICD-10 code	Exp (n)	Exp (%)	Subj (n)
First query	F20: Schizophrenia	115	17.9	3807
	F28: Other psychotic disorder not due to a substance or known physiological condition	3	0.5	68
	F31: Bipolar Disorder	45	7.0	1191
	F32-F33: Major depressive disorder, single episode/recurrent	63	9.8	1919
	F41: Other Anxiety Disorders	13	2.0	306
	F42: Obsessive Compulsive Disorder	12	1.9	377
	F43: Reaction to Severe Stress and Adjustment Disorders	24	3.7	367
	F50: Eating Disorders	12	1.9	148
	F60: Specific Personality Disorders	10	1.6	222
	F65: Paraphilic disorders	1	0.2	18
	F80: Specific Developmental Disorders of Speech and Language	2	0.3	22
	F84: Pervasive Developmental Disorders	29	4.5	696
	F90: Attention Deficit/Hyperactivity Disorder	9	1.4	139
	F95: Tic Disorder	2	0.3	33
	G10: Huntington's Disease	12	1.9	258
	G12: Spinal Muscular Atrophy and Related Syndromes	14	2.2	211
	G20: Parkinson's Disease	28	4.4	501
	G23: Other degenerative diseases of basal ganglia	13	2.0	212
	G24: Dystonia	6	0.9	89
	G25: Other extrapyramidal and movement disorders	7	1.1	135
	G30: Alzheimer's Disease	53	8.3	1194
	G31: Other Degenerative Diseases of Nervous System	52	8.1	838
	G35: Multiple Sclerosis	45	7.0	1422
	G40: Epilepsy and Recurrent Seizures	56	8.7	1426
	G90: Disorders Autonomic Nervous System	13	2.0	181
	G93: Other disorders of brain	3	0.5	40
Second query	Total	642	100%	15820
	F20: Schizophrenia	33	16.2	1175

F28: Other psychotic disorder not due to a substance or known physiological condition	3	1.5	75
F31: Bipolar Disorder	20	9.8	545
F32-F33: Major depressive disorder, single episode/recurrent	19	9.3	453
F41: Other Anxiety Disorders	4	2.0	51
F42: Obsessive Compulsive Disorder	10	4.9	287
F43: Reaction to Severe Stress and Adjustment Disorders	2	1.0	48
F50: Eating Disorders	4	2.0	54
F80: Specific Developmental Disorders of Speech and Language	3	1.5	48
F84: Pervasive Developmental Disorders	23	11.3	515
F90: Attention Deficit/Hyperactivity Disorder	2	1.0	27
F95: Tic Disorder	2	1.0	45
G10: Huntington's Disease	1	0.5	21
G12: Spinal Muscular Atrophy and Related Syndromes	1	0.5	22
G20: Parkinson's Disease	9	4.4	139
G24: Dystonia	8	3.9	133
G25: Other extrapyramidal and movement disorders	7	3.4	125
G30: Alzheimer's Disease	7	3.4	114
G31: Other Degenerative Diseases of Nervous System	10	4.9	123
G35: Multiple Sclerosis	10	4.9	253
G40: Epilepsy and Recurrent Seizures	26	12.7	713
Total	204	100%	4966

Table S2. Selected studies for the meta-analysis of the First Query.

	Year	1st Author	Journal	Medline	ICD-10 Code
1	2010	Abe O	Psychiatry Res	-	F32-F33: Major depressive disorder. single episode/recurrent
2	1999	Abell F	NeuroReport	10501551	F84: Pervasive Developmental Disorders
3	2012	Adleman N E	J Child Psycho Psychiatry	3472043	F31: Bipolar Disorder
4	2005	Adler C M	Biol Psychiatry	15922309	F31: Bipolar Disorder
5	2007	Agosta F	Hum Brain Mapp	17370339	G12: Spinal Muscular Atrophy and Related Syndromes
6	2010	Agosta F	Eur J Neurosci	20597976	G23: Other degenerative diseases of basal ganglia
7	2011	Agosta F	Radiology	21177393	G30: Alzheimer's Disease
8	2011	Agosta F	Radiology	21177393	G31: Other Degenerative Diseases of Nervous System
9	2012	Ahmed F	Neuropsychobiology	22948482	F43: Reaction to Severe Stress and Adjustment Disorders
10	2011	Ahrendts J	World J Biol Psychiatry	20879808	F90: Attention Deficit/Hyperactivity Disorder
11	2013	Alemany S	J affect disord	-	F32-F33: Major depressive disorder. single episode/recurrent
12	2009	Almeida J R C	Psychiatry Res NeuroImaging	19101126	F31: Bipolar Disorder
13	2016	Alonso_Lana S	PLoS One	4957815	F31: Bipolar Disorder
14	2013	Ambrosi E	J Affect Disord	-	F31: Bipolar Disorder
15	2002	Ananth H	Am J Psychiatry	12202269	F20: Schizophrenia
16	2005	Antonova E	Biol Psychiatry	16039619	F20: Schizophrenia
17	2009	Arnone D	Eur Neuropsychopharmacol	-	F32-F33: Major depressive disorder. single episode/recurrent
18	2013	Arnone D	Mol Psychiatry	23128153	F32-F33: Major depressive disorder. single episode/recurrent
19	2009	Asami T	Psychiatry Res	19560907	F41: Other Anxiety Disorders
20	2011	Ash S	Brain Lang	21689852	G31: Other Degenerative Diseases of Nervous System
21	2004	Audoin B	J magn reson imaging	15503338	G35: Multiple Sclerosis
22	2006	Audoin B	J Neurol	17093899	G35: Multiple Sclerosis
23	2010	Audoin B	J Neurol Neurosurg Psychiatr	20392976	G35: Multiple Sclerosis
24	2007	Audoin B	Mult Scler	17463071	G35: Multiple Sclerosis
25	2008	Barbeau E	Neuropsychologia	18191160	G31: Other Degenerative Diseases of Nervous System
26	2001	Baron J C	NeuroImage	11467904	G30: Alzheimer's Disease
27	2007	Bassitt D P	Eur Arch Psychiatry Clin Neurosci	16960651	F20: Schizophrenia
28	2006	Baxter L C	J Alzheimers Dis	16914835	G30: Alzheimer's Disease
29	2005	Bell-McGinty S	Arch Neurol	16157746	G31: Other Degenerative Diseases of Nervous System
30	2011	Bergè	Acta Psychiatr Scand	21054282	F20: Schizophrenia
31	2009	Bergouignan L	NeuroImage	19071222	F32-F33: Major depressive disorder. single episode/recurrent
32	2008	Berlingeri M	Behav Neurosci	18413913	G30: Alzheimer's Disease
33	2004	Bernasconi N	NeuroImage	15488421	G40: Epilepsy and Recurrent Seizures

34	2013	Bertsch K	Eur Arch Psychiatry Clin Neurosci	23381548	F60: Specific Personality Disorders
35	2008	Beste C	Hum Brain Mapp	17497629	G10: Huntington's Disease
36	2007	Beyer M K	J Neurol Neurosurg Psychiatr	17028119	G20: Parkinson's Disease
37	2011	Biundo R	J Neurol Sci	21862438	G20: Parkinson's Disease
38	2005	Boccardi M	Neurobiol Aging	15585344	G31: Other Degenerative Diseases of Nervous System
39	2009	Bodini B	Hum Brain Mapp	19172648	G35: Multiple Sclerosis
40	2011	Boghi A	Psychiatry Res	21546219	F50: Eating Disorders
41	2011	Bonavita S	Mult Scler	21239414	G35: Multiple Sclerosis
42	2008	Bonilha L	Schizophr Res	18164594	F20: Schizophrenia
43	2004	Bonilha L	Arch Neurol	15364683	G40: Epilepsy and Recurrent Seizures
44	2010	Borgwardt S J	Biol Psychiatry	20006324	F20: Schizophrenia
45	2008	Borroni B	Arch Neurol	18541800	G31: Other Degenerative Diseases of Nervous System
46	2009	Bose S K	Schizophr Res	19450953	F20: Schizophrenia
47	2008	Bouilleret V	Neurology	18195263	G40: Epilepsy and Recurrent Seizures
48	2006	Boxer A L	Arch Neurol	16401739	G23: Other degenerative diseases of basal ganglia
49	2003	Boxer A L	Arch Neurol	12873851	G30: Alzheimer's Disease
50	2003	Boxer A L	Arch Neurol	12873851	G31: Other Degenerative Diseases of Nervous System
51	2006	Boxer A L	Arch Neurol	16401739	G31: Other Degenerative Diseases of Nervous System
52	2006	Bozzali M	Neurology	16894107	G30: Alzheimer's Disease
53	2006	Bozzali M	Neurology	16894107	G31: Other Degenerative Diseases of Nervous System
54	2009	Brambati S M	Neurobiol Aging	17604879	G31: Other Degenerative Diseases of Nervous System
55	2009	Brazdil M	Hum Brain Mapp	18609565	G40: Epilepsy and Recurrent Seizures
56	2004	Brenneis C	J Neurol Neurosurg Psychiatr	14742598	G23: Other degenerative diseases of basal ganglia
57	2004	Brenneis C	NeuroReport	15257132	G30: Alzheimer's Disease
58	2004	Brenneis C	NeuroReport	15257132	G31: Other Degenerative Diseases of Nervous System
59	2003	Brenneis C	J Mov Disord	14534916	G90: Disorders Autonomic Nervous System
60	2006	Brenneis C	J Mov Disord	16161039	G90: Disorders Autonomic Nervous System
61	2007	Brieber S	J Child Psychol Psychiatry	-	F84: Pervasive Developmental Disorders
62	2007	Brieber S	J Child Psychol Psychiatry	-	F90: Attention Deficit/Hyperactivity Disorder
63	2010	Brunner R	NeuroImage	19660555	F60: Specific Personality Disorders
64	2004	Burton E J	Brain	14749292	G20: Parkinson's Disease
65	2002	Burton E J	NeuroImage	12377138	G31: Other Degenerative Diseases of Nervous System
66	2015	Cai Y	Neurosci Bull	25502401	F31: Bipolar Disorder
67	2015	Cai Y	Neurosci Bull	25502401	F32-F33: Major depressive disorder. single episode/recurrent
68	2009	Camicioli R	Parkinsonism Relat Disord	18573676	G20: Parkinson's Disease

69	2010	Canu E	Neurobiol Aging	21074899	G30: Alzheimer's Disease
70	2005	Carmona S	Neurosci Lett	16129560	F90: Attention Deficit/Hyperactivity Disorder
71	2007	Caroli A	J Neurol	17990057	G30: Alzheimer's Disease
72	2010	Cascella N	Schizophr Res	20452187	F20: Schizophrenia
73	2009	Castro-Fornieles J	J Psychiatr Res	18486147	F50: Eating Disorders
74	2011	Castro-Mangano P D	Bipolar Disord	22017223	F20: Schizophrenia
75	2009	Ceccarelli A	Hum Brain Mapp	19172642	G35: Multiple Sclerosis
76	2008	Ceccarelli A	NeuroImage	18501636	G35: Multiple Sclerosis
77	2010	Celle S	J Neurol	19768657	G25: Other extrapyramidal and movement disorders
78	2013	Ceresa A	J Neurol	23271221	G35: Multiple Sclerosis
79	2006	Chan C H	Epilepsia	16499767	G40: Epilepsy and Recurrent Seizures
80	2014	Chaney A	J Psychiatry Neurosci	23900024	F32-F33: Major depressive disorder. single episode/recurrent
81	2009	Chang C C	European J Neurol	19486137	G90: Disorders Autonomic Nervous System
82	2005	Chang J L	Neurology	16009889	G12: Spinal Muscular Atrophy and Related Syndromes
83	2012	Chao L L	NeuroReport	22453299	F43: Reaction to Severe Stress and Adjustment Disorders
84	2009	Chen S	BMC Psychiatry	19538748	F43: Reaction to Severe Stress and Adjustment Disorders
85	2006	Chen S	Psychiatry Res	16371250	F43: Reaction to Severe Stress and Adjustment Disorders
86	2007	Chen X	Aust N Z J Psychiatry	17464719	F31: Bipolar Disorder
87	2012	Chen Y	PLoS One	23155380	F43: Reaction to Severe Stress and Adjustment Disorders
88	2015	Cheng B	Front Behav Neurosci	26347628	F43: Reaction to Severe Stress and Adjustment Disorders
89	2010	Cheng Y	Neurosci Lett	20594947	F32-F33: Major depressive disorder. single episode/recurrent
90	2011	Cheng Y	PLoS One	21541322	F84: Pervasive Developmental Disorders
91	2002	Chetelat G	NeuroReport	12395096	G30: Alzheimer's Disease
92	2002	Chetelat G	NeuroReport	12395096	G31: Other Degenerative Diseases of Nervous System
93	2011	Chow E W	Am J Psychiatry	21362743	F20: Schizophrenia
94	2007	Chua S E	Schizophr Res	17098398	F20: Schizophrenia
95	2012	Compta Y	Parkinsonism Relat Disord	22595621	G20: Parkinson's Disease
96	2008	Cooke M A	Schizophr Res	18539438	F20: Schizophrenia
97	2005	Corbo V	Biol Psychiatry	16038682	F43: Reaction to Severe Stress and Adjustment Disorders
98	2005	Cordato N J	Brain	15843423	G20: Parkinson's Disease
99	2005	Cordato N J	Brain	15843423	G23: Other degenerative diseases of basal ganglia
100	2005	Cormack F	NeuroImage	16006149	G93: Other disorders of brain
101	2012	Cosottini M	Exp Neurol	22226599	G12: Spinal Muscular Atrophy and Related Syndromes
102	2007	Craig M C	Br J Psychiatry	17766762	F84: Pervasive Developmental Disorders
103	2003	Critchley H D	NeuroImage	12725766	G90: Disorders Autonomic Nervous System

104	2011	Cui L	Neurosci Lett	21138758	F20: Schizophrenia
105	2011	Cui L	Neurosci Lett	21138758	F31: Bipolar Disorder
106	2009	de Araujo-Filho G M	Epilepsy Behav	19303459	G40: Epilepsy and Recurrent Seizures
107	2008	de Oliveira-Souza R	NeuroImage	18289882	F60: Specific Personality Disorders
108	2007	Delmaire C	Neurology	17646630	G24: Dystonia
109	2009	Deng M Y	Psychopharmacology	19641900	F20: Schizophrenia
110	2007	Di Paola M	J Neurol	17404777	G30: Alzheimer's Disease
111	2005	Dickstein D P	Arch Gen Psych	15997014	F31: Bipolar Disorder
112	2004	Doris A	Psychiatry Res NeuroImaging	15033185	F31: Bipolar Disorder
113	2007	Douaud G	J Neurol	17698497	F20: Schizophrenia
114	2003	Draganski B	Neurology	14610125	G24: Dystonia
115	2010	Ebdrup B H	J Psychiatry Neurosci	20184807	F20: Schizophrenia
116	2011	Eckart C	J Psychiatry Neurosci	21118656	F43: Reaction to Severe Stress and Adjustment Disorders
117	2012	Ecker C	Arch Gen Psych	22310506	F84: Pervasive Developmental Disorders
118	2010	Ecker C	NeuroImage	19683584	F84: Pervasive Developmental Disorders
119	2008	Egger K	Psychiatry Res	19013058	F32-F33: Major depressive disorder. single episode/recurrent
120	2001	Ellis C M	Neurology	11706094	G12: Spinal Muscular Atrophy and Related Syndromes
121	2014	Eshaghi A	NeuroImage	3898881	G35: Multiple Sclerosis
122	2005	Etgen T	NeuroImage	15670702	G25: Other extrapyramidal and movement disorders
123	2009	Euler M	Schizophr Res	19775870	F20: Schizophrenia
124	2005	Farrow T F D	Biol Psychiatry	15993858	F31: Bipolar Disorder
125	2011	Focke N K	Hum Brain Mapp	21246668	G20: Parkinson's Disease
126	2001	Foong J	Brain	11335691	F20: Schizophrenia
127	2012	Friedrich H C	NeuroImage	21967727	F50: Eating Disorders
128	2002	Frisoni G B	J Neurol Neurosurg Psychiatr	12438466	G30: Alzheimer's Disease
129	2008	Frodl T	Arch Gen Psych	18838632	F32-F33: Major depressive disorder. single episode/recurrent
130	2013	Gao W	J Affect Disord	-	F31: Bipolar Disorder
131	2008	Garcia-Marti G	Neuropsychopharmacol Psychiatry	17716795	F20: Schizophrenia
132	2011	Gaudio S	Psychiatry Res NeuroImaging	21081268	F50: Eating Disorders
133	2007	Gavazzi C	J Comput Assist Tomogr	17882035	G10: Huntington's Disease
134	2012	Ghosh B C	Brain	22637582	G23: Other degenerative diseases of basal ganglia
135	2008	Gilbert A R	J Affect Disord	18342953	F42: Obsessive Compulsive Disorder
136	2013	Giordano A	Parkinsonism Relat Disord	23477861	G23: Other degenerative diseases of basal ganglia
137	2005	Giuliani N R	Schizophr Res	15721994	F20: Schizophrenia
138	2014	Gobbi C	Acad Radiol	23812284	G35: Multiple Sclerosis
139	2010	Gold B T	Hum Brain Mapp	20063353	G31: Other Degenerative Diseases of Nervous System
140	2011	Gong Q	NeuroImage	21134472	F32-F33: Major depressive disorder. single episode/recurrent
141	2011	Granert O	J Neurol Neurosurg Psychiatr	21705464	G24: Dystonia

142	2012	Gregory S	Arch Gen Psych	22566562	F60: Specific Personality Disorders
143	2013	Grieve S M	NeuroImage	24273717	F32-F33: Major depressive disorder. single episode/recurrent
144	2010	Gross RG	Cogn Behav Neurol	20299856	G31: Other Degenerative Diseases of Nervous System
145	2006	Grosskreutz J	BMC Neurol	16638121	G12: Spinal Muscular Atrophy and Related Syndromes
146	2009	Guedj E	Eur J Nucl Med	19224210	G31: Other Degenerative Diseases of Nervous System
147	2014	Guo W	Neuropsychopharmacol Psychiatry	24863419	F32-F33: Major depressive disorder. single episode/recurrent
148	2010	Guo X	Neurosci Lett	19879920	G30: Alzheimer's Disease
149	2004	Ha T H	Psychiatry Res	15664796	F20: Schizophrenia
150	2010	Ha T H	Neurosci Lett	19429131	F31: Bipolar Disorder
151	2007	Hakamata Y	Neuroscience Research	17923164	F43: Reaction to Severe Stress and Adjustment Disorders
152	2008	Haldane M	J Psychopharmacol	18308812	F31: Bipolar Disorder
153	2008	Hall A M	Alzheimers Dement	18631978	G30: Alzheimer's Disease
154	2011	Haller S	J Psychiatry Neurosci	21284917	F31: Bipolar Disorder
155	2007	Hamalainen A	Neurobiol Aging	16997428	G30: Alzheimer's Disease
156	2007	Hamalainen A	Neurobiol Aging	16997428	G31: Other Degenerative Diseases of Nervous System
157	2009	Henley S M	J Neurol	19266143	G10: Huntington's Disease
158	2009	Herold R	Acta Psychiatr Scand	19016669	F20: Schizophrenia
159	2012	Herringa R	Psychiatry Res	23021615	F43: Reaction to Severe Stress and Adjustment Disorders
160	2008	Hirao K	Schizophr Res	18774263	F20: Schizophrenia
161	2006	Hirao K	Nucl Med Commun	16404228	G30: Alzheimer's Disease
162	2008	Honea R A	Biol Psychiatry	17689500	F20: Schizophrenia
163	2009	Honea R A	Alzheimer Dis Assoc Disord	19812458	G30: Alzheimer's Disease
164	2009	Horn H	Br J Psychiatry	19182174	F20: Schizophrenia
165	2010	Horn H	Psychiatry Res NeuroImaging	20418073	F20: Schizophrenia
166	2009	Huey E D	Arch Neurol	19822784	G31: Other Degenerative Diseases of Nervous System
167	2001	Hulshoff Pol H E	Arch Gen Psych	11735840	F20: Schizophrenia
168	2004	Hulshoff Pol H E	NeuroImage	14741639	F20: Schizophrenia
169	2006	Hulshoff Pol H E	NeuroImage	16497519	F20: Schizophrenia
170	2010	Hwang J	J Geriatr Psychiatry Neurol	-	F32-F33: Major depressive disorder. single episode/recurrent
171	2010	Hyde K L	Hum Brain Mapp	19790171	F84: Pervasive Developmental Disorders
172	2011	Ille R	J Psychiatry Neurosci	21406159	G10: Huntington's Disease
173	2011	Inkster B	J Neuroimaging	20977527	F32-F33: Major depressive disorder. single episode/recurrent
174	2005	Ishii K	Eur J Nucl Med	15800784	G30: Alzheimer's Disease
175	2008	Janssen J	J Am Acad Child Adolesc Psychiatry	18827723	F20: Schizophrenia
176	2008	Janssen J	J Am Acad Child Adolesc Psychiatry	18827723	F28: Other psychotic disorder not due to a substance or known physiological condition

177	2008	Janssen J	J Am Acad Child Adolesc Psychiatry	18827723	F31: Bipolar Disorder
178	2005	Jayakumar P N	Neuropsychopharmacol Psychiatry	15866362	F20: Schizophrenia
179	2010	Joos A	Psychiatry Res NeuroImaging	20400273	F50: Eating Disorders
180	2008	Kanda T	Eur J Nucl Med	18661129	G30: Alzheimer's Disease
181	2008	Kanda T	Eur J Nucl Med	18661129	G31: Other Degenerative Diseases of Nervous System
182	2008	Kasai K	Biol Psychiatry	17825801	F43: Reaction to Severe Stress and Adjustment Disorders
183	2010	Kasperek T	Hum Brain Mapp	19777553	F20: Schizophrenia
184	2007	Kasperek T	Neuropsychopharmacol Psychiatry	17011096	F20: Schizophrenia
185	2009	Kasperek T	Neuropsychopharmacol Psychiatry	19647777	F20: Schizophrenia
186	2005	Kassubek J	Cereb Cortex	15459079	G10: Huntington's Disease
187	2004	Kassubek J	J Neurol Neurosurg Psychiatr	14742591	G10: Huntington's Disease
188	2007	Kassubek J	J Neurol Neurosurg Psychiatr	17332050	G12: Spinal Muscular Atrophy and Related Syndromes
189	2012	Kato S	J Neurol	21850388	G20: Parkinson's Disease
190	2006	Kawachi T	Eur J Nucl Med	16550383	G30: Alzheimer's Disease
191	2009	Kawada R	Neuropsychopharmacol Psychiatry	19625009	F20: Schizophrenia
192	2004	Kawasaki Y	Eur Arch Psychiatry Clin Neurosci	15538599	F20: Schizophrenia
193	2007	Kawasaki Y	NeuroImage	17045492	F20: Schizophrenia
194	2008	Ke X	NeuroReport	18520994	F84: Pervasive Developmental Disorders
195	2007	Keller S S	Epilepsy Res	17412561	G40: Epilepsy and Recurrent Seizures
196	2002	Keller S S	J Neurol Neurosurg Psychiatr	12438464	G40: Epilepsy and Recurrent Seizures
197	2007	Khaleeli Z	NeuroImage	17566765	G35: Multiple Sclerosis
198	2013	Kim D	J Affect Disord	23769608	F31: Bipolar Disorder
199	2007	Kim E J	J Neurol Neurosurg Psychiatr	17615169	G31: Other Degenerative Diseases of Nervous System
200	2007	Kim J H	NeuroImage	17689105	G40: Epilepsy and Recurrent Seizures
201	2008	Kim M J	Psychiatry Res	18930633	F32-F33: Major depressive disorder. single episode/recurrent
202	2011	Kim S	J Clin Neurosci	21570296	G30: Alzheimer's Disease
203	2010	Kobel M	Psychiatry Res NeuroImaging	20702071	F90: Attention Deficit/Hyperactivity Disorder
204	2009	Koprivova J	Neurosci Lett	19666084	F42: Obsessive Compulsive Disorder
205	2010	Kosaka H	NeuroImage	20123027	F84: Pervasive Developmental Disorders
206	2009	Koskenkorva P	Neurology	19704079	G40: Epilepsy and Recurrent Seizures
207	2008	Koutsouleris N	NeuroImage	18054834	F20: Schizophrenia
208	2002	Kubicki M	NeuroImage	12498745	F20: Schizophrenia
209	2002	Kubicki M	NeuroImage	12498745	F28: Other psychotic disorder not due to a substance or known physiological condition
210	2011	Kurth F	Biol Psychiatry	21531390	F84: Pervasive Developmental Disorders
211	2004	Kwon H	Dev Med Child Neurol	15540637	F84: Pervasive Developmental Disorders

212	2010	Labate A	Epilepsia	19780790	G40: Epilepsy and Recurrent Seizures
213	2008	Ladoucer C D	J Am Acad Child Adolesc Psychiatry	18356765	F31: Bipolar Disorder
214	2013	Lagarde J	PLoS One	24278277	G23: Other degenerative diseases of basal ganglia
215	2013	Lagarde J	PLoS One	24278277	G31: Other Degenerative Diseases of Nervous System
216	2015	Lai C H	J Affect Disord	-	F32-F33: Major depressive disorder. single episode/recurrent
217	2015	Lai C H	J Affect Disord	-	F41: Other Anxiety Disorders
218	2012	Lai C H	J Affect Disord	22386047	F41: Other Anxiety Disorders
219	2011	Lee H Y	J Affect Disord	21546094	F32-F33: Major depressive disorder. single episode/recurrent
220	2009	Leung K K	Psychol Med	18945378	F32-F33: Major depressive disorder. single episode/recurrent
221	2010	Li C T	NeuroImage	19931620	F32-F33: Major depressive disorder. single episode/recurrent
222	2006	Li L	Can J Psychiatry	16838824	F43: Reaction to Severe Stress and Adjustment Disorders
223	2011	Li M	Psychiatry Res NeuroImaging	21236649	F31: Bipolar Disorder
224	2009	Libon D J	Neurology	19687454	G31: Other Degenerative Diseases of Nervous System
225	2013	Lin A	Neural Regen Res	25206504	G35: Multiple Sclerosis
226	2013	Lin C H	Front Hum Neurosci	23785322	G20: Parkinson's Disease
227	2013	Lin C H	Front Hum Neurosci	23785322	G25: Other extrapyramidal and movement disorders
228	2009	Lin K	Epilepsy Res	19570650	G40: Epilepsy and Recurrent Seizures
229	2014	Liu C H	Neuroscience	24406440	F32-F33: Major depressive disorder. single episode/recurrent
230	2011	Liu M	Epilepsia	22092238	G40: Epilepsy and Recurrent Seizures
231	2010	Lu C	Cortex	19375076	F80: Specific Developmental Disorders of Speech and Language
232	2006	Ludolph A G	Br J Psychiatry	16648537	F95: Tic Disorder
233	2009	Lui S	Am J Psychiatry	18981063	F20: Schizophrenia
234	2004	Lyoo I K	Biol Psychiatry	15013835	F31: Bipolar Disorder
235	2012	Mainz V	Psychosom Med	22511729	F50: Eating Disorders
236	2009	Mak A K	Neuropsychopharmacol Psychiatry	19596037	F32-F33: Major depressive disorder. single episode/recurrent
237	2013	Mak E	J Neurol Neurosurg Psychiatr	24133286	G20: Parkinson's Disease
238	2003	Marcelis M	Psychiatry Res	12694890	F28: Other psychotic disorder not due to a substance or known physiological condition
239	2007	Marti-Bonmati L	Radiology	17641373	F20: Schizophrenia
240	2003	Massana G	Am J Psychiatry	12611840	F41: Other Anxiety Disorders
241	2002	Matsuda H	Eur J Nucl Med Mol Imaging	11884488	G30: Alzheimer's Disease
242	2010	Matsumoto R	Psychiatry Clin Neurosci	20923432	F42: Obsessive Compulsive Disorder
243	2007	Matsunari I	Eur J Nucl Med Mol Imaging	18006622	G30: Alzheimer's Disease
244	2008	Mazere J	NeuroImage	18191587	G30: Alzheimer's Disease
245	2005	McAlonan G M	Brain	15548557	F84: Pervasive Developmental Disorders
246	2002	McAlonan G M	Brain	12077008	F84: Pervasive Developmental Disorders

247	2008	McAlonan G M	J Child Psychol Psychiatry	18673405	F84: Pervasive Developmental Disorders
248	2007	McAlonan G M	Psychiatry Res	17291727	F90: Attention Deficit/Hyperactivity Disorder
249	2004	McIntosh A M	Biol Psychiatry	15476683	F20: Schizophrenia
250	2004	McIntosh A M	Biol Psychiatry	15476683	F31: Bipolar Disorder
251	2004	McMillan A B	NeuroImage	15325363	G40: Epilepsy and Recurrent Seizures
252	2008	Meda S A	Schizophr Res	18378428	F20: Schizophrenia
253	2008	Meisenzahl E M	Schizophr Res	18703313	F20: Schizophrenia
254	2011	Mengotti P	Brain Res Bull	21146593	F84: Pervasive Developmental Disorders
255	2011	Meppelink A M	J Mov Disord	20922809	G20: Parkinson's Disease
256	2008	Mesaros S	Neurology	18272867	G35: Multiple Sclerosis
257	2007	Mezzapesa D M	Am J Neuroradiol	17296989	G12: Spinal Muscular Atrophy and Related Syndromes
258	2011	Miettinen P S	Eur J Neurosci	21692882	G30: Alzheimer's Disease
259	2011	Miettinen P S	Eur J Neurosci	21692882	G31: Other Degenerative Diseases of Nervous System
260	2005	Milham M P	Biol Psychiatry	15860335	F41: Other Anxiety Disorders
261	2007	Minnerop M	NeuroImage	17512219	G90: Disorders Autonomic Nervous System
262	2011	Molina V	Eur Arch Psychiatry Clin Neurosci	21188405	F20: Schizophrenia
263	2010	Molina V	Psychiatry Res NeuroImaging	20153145	F20: Schizophrenia
264	2011	Molina V	Eur Arch Psychiatry Clin Neurosci	21188405	F31: Bipolar Disorder
265	2005	Moorhead T W	NeuroImage	16085427	F20: Schizophrenia
266	2006	Morgen K	NeuroImage	16360321	G35: Multiple Sclerosis
267	2006	Mueller S G	Epilepsia	16686655	G40: Epilepsy and Recurrent Seizures
268	2007	Muhlau M	J Neural Transm	17024326	G10: Huntington's Disease
269	2013	Muhlau M	Mult Scler	23462349	G35: Multiple Sclerosis
270	2009	Muller-Vahl K R	BMC Neuroscience	19435502	F95: Tic Disorder
271	2013	Na K S	Prog Neuropsychopharmacol Biol Psychiatry	-	F41: Other Anxiety Disorders
272	2005	Nagano-Saito A	Neurology	15668417	G20: Parkinson's Disease
273	2013	Nardo D	Acta Psychiatr Scand	23113800	F43: Reaction to Severe Stress and Adjustment Disorders
274	2011	Narita K	Neuropsychopharmacol Psychiatry	21115089	F31: Bipolar Disorder
275	2006	Neckermann G	Int J Neurosci	-	F20: Schizophrenia
276	2003	Nestor P J	Brain	12902311	G31: Other Degenerative Diseases of Nervous System
277	2013	Niedtfeldl I	PLoS One	23776553	F60: Specific Personality Disorders
278	2010	Nishio Y	European J Neurol	20298422	G20: Parkinson's Disease
279	2006	Nugent A C	NeuroImage	16256376	F31: Bipolar Disorder
280	2007	O'Daly O	Psychiatry Res	17720459	F20: Schizophrenia
281	2011	O'Muircheartaigh J	Neurology	21205693	G40: Epilepsy and Recurrent Seizures
282	2007	Obermann M	J Mov Disord	17443700	G24: Dystonia
283	2006	Ohnishi T	Brain	16330500	F20: Schizophrenia
284	2001	Ohnishi T	Am J Neuroradiol	11673161	G30: Alzheimer's Disease

285	2011	Ortiz-Gil J	Br J Psychiatry	21727234	F20: Schizophrenia
286	2001	Overmeyer S	Psychol Med	11722157	F90: Attention Deficit/Hyperactivity Disorder
287	2006	Padovani A	J Neurol Neurosurg Psychiatr	16306152	G23: Other degenerative diseases of basal ganglia
288	2010	Pail M	Epilepsia	19817822	G40: Epilepsy and Recurrent Seizures
289	2001	Paillere-Martinot M L	Schizophr Res	11378311	F20: Schizophrenia
290	2011	Pantano P	Am J Neuroradiol	20947646	G24: Dystonia
291	2009	Pardini M	Arch Neurol	19139305	G31: Other Degenerative Diseases of Nervous System
292	2014	Parisi L	J neurol	24952616	G35: Multiple Sclerosis
293	2005	Peinemann A	J Neurol Sci	16185716	G10: Huntington's Disease
294	2008	Pell G S	NeuroImage	18042496	G40: Epilepsy and Recurrent Seizures
295	2010	Peng J	Eur J Radiol	20466498	F32-F33: Major depressive disorder. single episode/recurrent
296	2005	Pennanen C	J Neurol Neurosurg Psychiatr	15607988	G31: Other Degenerative Diseases of Nervous System
297	2009	Pereira J B	NeuroReport	19349926	G20: Parkinson's Disease
298	2009	Pereira J M	Neurology	19433738	G31: Other Degenerative Diseases of Nervous System
299	2010	Pomarol-Clotet E	Mol Psychiatry	20065955	F20: Schizophrenia
300	2010	Prakash R S	Brain Res	19560443	G35: Multiple Sclerosis
301	2016	Preziosa P	Hum Brain Mapp	26833969	G35: Multiple Sclerosis
302	2010	Price G	NeuroImage	19632338	F20: Schizophrenia
303	2004	Pujol J	Arch Gen Psych	15237084	F42: Obsessive Compulsive Disorder
304	2011	Qiu L	PLoS One	21991357	F20: Schizophrenia
305	2008	Quattrone A	Am J Neuroradiol	18653686	G25: Other extrapyramidal and movement disorders
306	2007	Rabinovici G D	Am J Alzheimers Dis Other Demen	18166607	G30: Alzheimer's Disease
307	2007	Rabinovici G D	Am J Alzheimers Dis Other Demen	18166607	G31: Other Degenerative Diseases of Nervous System
308	2009	Rami L	Int J Geriatr Psychiatry	19259976	G30: Alzheimer's Disease
309	2009	Rami L	Int J Geriatr Psychiatry	19259976	G31: Other Degenerative Diseases of Nervous System
310	2007	Ramirez-Ruiz B	European J Neurol	17594330	G20: Parkinson's Disease
311	2015	Ranjeva J P	Am J Neuroradiol	15661713	G35: Multiple Sclerosis
312	2014	Redlich R	Arch Gen Psych	25188810	F31: Bipolar Disorder
313	2014	Redlich R	Arch Gen Psych	25188810	F32-F33: Major depressive disorder. single episode/recurrent
314	2005	Remy F	NeuroImage	15734360	G30: Alzheimer's Disease
315	2012	Riccitelli G	Mult Scler	22422807	G35: Multiple Sclerosis
316	2008	Riederer F	Neurology	18678824	G40: Epilepsy and Recurrent Seizures
317	2009	Ries M L	Brain Imaging Behav	19701486	F32-F33: Major depressive disorder. single episode/recurrent
318	2011	Riva D	Am J Neuroradiol	21700792	F84: Pervasive Developmental Disorders
319	2014	Rocca M A	Radiology	24927473	G35: Multiple Sclerosis
320	2012	Rocha-Rego V	PLoS One	22952599	F43: Reaction to Severe Stress and Adjustment Disorders

321	2012	Rossi R	Psychiatry Res NeuroImaging	23146251	F31: Bipolar Disorder
322	2012	Rossi R	Psychiatry Res NeuroImaging	23146251	F60: Specific Personality Disorders
323	2004	Rusch N	J Neuropsychiatry Clin Neurosci	15260365	G40: Epilepsy and Recurrent Seizures
324	2003	Salgado-Pineda P	NeuroImage	12814586	F20: Schizophrenia
325	2004	Salgado-Pineda P	NeuroImage	15006650	F20: Schizophrenia
326	2011	Salgado-Pineda P	Schizophr Res	21095105	F20: Schizophrenia
327	2007	Salmond C H	Cortex	17710821	F84: Pervasive Developmental Disorders
328	2011	Salvadore G	NeuroImage	21073959	F32-F33: Major depressive disorder. single episode/recurrent
329	2016	Sanchis-Segura C	Neuroscience Letters	27436479	G35: Multiple Sclerosis
330	2010	Santana M	Epilepsy Res	20223639	G40: Epilepsy and Recurrent Seizures
331	2015	Saricicek A	J Affect Disord	26233321	F31: Bipolar Disorder
332	2010	Sasayama D	Psychiatry Clin Neurosci	20546170	F90: Attention Deficit/Hyperactivity Disorder
333	2006	Saykin A J	Neurology	16966547	G31: Other Degenerative Diseases of Nervous System
334	2010	Scheuerecker J	J Psychiatry Neurosci	20569645	F32-F33: Major depressive disorder. single episode/recurrent
335	2013	Schiffer B	Schizophr Bull	23015687	F20: Schizophrenia
336	2007	Schiffer B	J Psychiatr Res	16876824	F65: Paraphilias
337	2009	Schmidt-Wilcke T	NeuroImage	19442751	G31: Other Degenerative Diseases of Nervous System
338	2012	Schuster C	Schizophr Bull	21205677	F20: Schizophrenia
339	2008	Seeley W W	Arch Neurol	18268196	G31: Other Degenerative Diseases of Nervous System
340	2011	Senda J	Amyotroph Lateral Scler	21271792	G12: Spinal Muscular Atrophy and Related Syndromes
341	2006	Sepulcre J	Arch Neurol	16908748	G35: Multiple Sclerosis
342	2013	Serra-Blasco M	Br J Psychiatry	23620451	F32-F33: Major depressive disorder. single episode/recurrent
343	2012	Shad M U	J Child Adolesc Psychopharmacol	22537357	F32-F33: Major depressive disorder. single episode/recurrent
344	1998	Shah P J	Br J Psychiatry	9828995	F32-F33: Major depressive disorder. single episode/recurrent
345	2002	Shapleske J	Cereb Cortex	12427683	F20: Schizophrenia
346	2006	Shiino A	NeuroImage	16904912	G30: Alzheimer's Disease
347	2006	Shiino A	NeuroImage	16904912	G31: Other Degenerative Diseases of Nervous System
348	2012	Shin S	J Neurol Neurosurg Psychiatr	22933812	G20: Parkinson's Disease
349	2001	Sigmundsson T	Am J Psychiatry	11156806	F20: Schizophrenia
350	2012	Singh M K	Bipolar Disord	3433284	F31: Bipolar Disorder
351	2010	Smesny S	NeuroImage	20478385	F20: Schizophrenia
352	2010	Sobanski T	Psychol Med	20056020	F41: Other Anxiety Disorders
353	2011	Soriano-Mas C	Biol Psychiatry	20875637	F32-F33: Major depressive disorder. single episode/recurrent
354	2010	Spano B	Mult Scler	20007429	G35: Multiple Sclerosis
355	2003	Specht K	Arch Neurol	14568814	G90: Disorders Autonomic Nervous System
356	2005	Specht K	NeuroImage	15734363	G90: Disorders Autonomic Nervous

					System
357	2006	Spencer M D	NeuroImage	16996749	F84: Pervasive Developmental Disorders
358	2009	Stanfield A C	Bipolar Disord	19267696	F31: Bipolar Disorder
359	2014	Stratmann M	PLoS One	25051163	F32-F33: Major depressive disorder. single episode/recurrent
360	2010	Suchan B	Behav Brain Res	19729041	F50: Eating Disorders
361	2010	Sui S G	Acta Neuropsychiatr	-	F43: Reaction to Severe Stress and Adjustment Disorders
362	2005	Summerfield C	Arch Neurol	15710857	G20: Parkinson's Disease
363	2002	Suzuki M	Schizophr Res	11955962	F20: Schizophrenia
364	2008	Szeszko P R	Am J Psychiatry	18413702	F42: Obsessive Compulsive Disorder
365	2006	Tae W S	Korean J Radiol	16969045	G40: Epilepsy and Recurrent Seizures
366	2010	Tae W S	Korean J Radiol	20046492	G40: Epilepsy and Recurrent Seizures
367	2011	Takahashi R	Dement Geriatr Cogn Disord	22187545	G23: Other degenerative diseases of basal ganglia
368	2010	Takahashi R	Am J Neuroradiol	20634303	G30: Alzheimer's Disease
369	2010	Takahashi R	Am J Neuroradiol	20634303	G31: Other Degenerative Diseases of Nervous System
370	2005	Taki Y	J Affect Disord	16150493	F32-F33: Major depressive disorder. single episode/recurrent
371	2014	Tang L R	Psychiatry Res Neuroimaging	25218414	F31: Bipolar Disorder
372	2012	Tavanti M	Neurol Sci	21710131	F43: Reaction to Severe Stress and Adjustment Disorders
373	2012	Tavazzi E	Neurol Sci	25228014	G12: Spinal Muscular Atrophy and Related Syndromes
374	2012	Tessitore A	Am J Neuroradiol	22538070	G20: Parkinson's Disease
375	2007	Theberge J	Br J Psychiatry	17906243	F20: Schizophrenia
376	2007	Thivard L	J Neurol Neurosurg Psychiatr	17635981	G12: Spinal Muscular Atrophy and Related Syndromes
377	2010	Thomaes K	J Clinic Psychiatry	20673548	F43: Reaction to Severe Stress and Adjustment Disorders
378	2011	Tian L	PLoS One	22174900	F20: Schizophrenia
379	2008	Tiihonen J	Psychiatry Res	18662866	F60: Specific Personality Disorders
380	2009	Tir M	J Mov Disord	19194988	G20: Parkinson's Disease
381	2009	Tir M	J Mov Disord	19194988	G90: Disorders Autonomic Nervous System
382	2010	Toal F	Psychol Med	19891805	F84: Pervasive Developmental Disorders
383	2010	Togao O	Psychiatry Res	20833001	F42: Obsessive Compulsive Disorder
384	2009	Tomelleri L	Eur Neuropsychopharmacol	19717283	F20: Schizophrenia
385	2010	Tost H	J Affect Disord	19419772	F31: Bipolar Disorder
386	2007	Tregallas J R	Schizophr Res	17890058	F20: Schizophrenia
387	2010	Tzarouchi L C	J Neuroimaging	19187475	G90: Disorders Autonomic Nervous System
388	2008	Uchida R R	Psychiatry Res	18417322	F41: Other Anxiety Disorders
389	2005	Valente A A Jr	Biol Psychiatry	15978549	F42: Obsessive Compulsive Disorder
390	2015	van de Pavert S H	J Neurol Neurosurg Psychiatry	25926483	G35: Multiple Sclerosis
391	2009	van den Heuvel O A	Brain	18952675	F42: Obsessive Compulsive Disorder
392	2013	van Eijndhoven P	Am J Psychiatry	23929204	F32-F33: Major depressive disorder.

					single episode/recurrent
393	2010	van Tol M J	Arch Gen Psych	20921116	F32-F33: Major depressive disorder. single episode/recurrent
394	2013	van Tol M J	Psychol Med	24176247	F32-F33: Major depressive disorder. single episode/recurrent
395	2010	van Tol M J	Arch Gen Psych	20921116	F41: Other Anxiety Disorders
396	2008	Venkatasubramanian G	Psychiatry Res NeuroImaging	19019637	F20: Schizophrenia
397	2008	Voets N L	NeuroImage	18793730	F20: Schizophrenia
398	2008	Wagner G	J Psychiatry Neurosci	18592043	F32-F33: Major depressive disorder. single episode/recurrent
399	2011	Wagner G	NeuroImage	20832482	F32-F33: Major depressive disorder. single episode/recurrent
400	2011	Wang F	Brain	21666263	F31: Bipolar Disorder
401	2007	Wang J	Am J Neuroradiol	1735333	F90: Attention Deficit/Hyperactivity Disorder
402	2009	Waragai M	J Neurol Sci	19552926	G30: Alzheimer's Disease
403	2002	Watkins K E	Brain	11872605	F80: Specific Developmental Disorders of Speech and Language
404	2012	Watson D R	Behav Brain Res	22056751	F20: Schizophrenia
405	2012	Watson D R	Behav Brain Res	22056751	F31: Bipolar Disorder
406	2016	Wei W	Acad Radiol	26962820	G40: Epilepsy and Recurrent Seizures
407	2006	Whitford T J	NeuroImage	16677830	F20: Schizophrenia
408	2013	Whitwell J L	European J Neurol	23078273	G23: Other degenerative diseases of basal ganglia
409	2007	Whitwell J L	Neurobiol Aging	16797786	G30: Alzheimer's Disease
410	2005	Whitwell J L	Arch Neurol	16157747	G31: Other Degenerative Diseases of Nervous System
411	2007	Whitwell J L	Neurobiol Aging	16797786	G31: Other Degenerative Diseases of Nervous System
412	2007	Whitwell J L	NeuroImage	17240166	G31: Other Degenerative Diseases of Nervous System
413	2001	Wilke M	NeuroImage	11304078	F20: Schizophrenia
414	2010	Wilson S M	Brain	20542982	G31: Other Degenerative Diseases of Nervous System
415	2000	Woermann F G	J Neurol Neurosurg Psychiatr	10644781	G40: Epilepsy and Recurrent Seizures
416	2008	Wolf R C	Eur Psychiatry	18434103	F20: Schizophrenia
417	2009	Wolf R C	Hum Brain Mapp	18172852	G10: Huntington's Disease
418	2006	Xie S	Neurology	16801648	G30: Alzheimer's Disease
419	2009	Xu L	Hum Brain Mapp	18266214	F20: Schizophrenia
420	2007	Yamada M	NeuroImage	17240165	F20: Schizophrenia
421	2010	Yasuda C L	Neurology	20350980	G40: Epilepsy and Recurrent Seizures
422	2003	Yoneyama E	Acta Psychiatr Scand	14531753	F60: Specific Personality Disorders
423	2005	Yoo H K	Eur J Neurosci	16262646	F41: Other Anxiety Disorders
424	2008	Yoo S Y	J Korean Med Sci	18303194	F42: Obsessive Compulsive Disorder
425	2008	Yoshihara Y	Arch Gen Psych	19102744	F20: Schizophrenia
426	2005	Zahn R	Psychiatry Res NeuroImaging	16253483	G30: Alzheimer's Disease
427	2008	Zamboni G	Neurology	18765649	G31: Other Degenerative Diseases of Nervous System

428	2011	Zhang J	Psychiatry Res	21498053	F43: Reaction to Severe Stress and Adjustment Disorders
429	2009	Zhang T	J Affect Disord	19211150	F32-F33: Major depressive disorder. single episode/recurrent
430	2012	Zhang X	J Affect Disord	22129771	F32-F33: Major depressive disorder. single episode/recurrent
431	2016	Zhang X	Int J Mol Sci	28035997	G35: Multiple Sclerosis
432	2010	Zou K	Biol Psychiatry	19897176	F32-F33: Major depressive disorder. single episode/recurrent

Table S3. Selected studies for the meta-analysis of the Second Query.

	Year	1st Author	Journal	Medline	ICD-10 Code
1	1999	Abell F	NeuroReport	10501551	F84: Pervasive Developmental Disorders
2	2005	Adler C M	Biol Psychiatry	15922309	F31: Bipolar Disorder
3	2007	Adler C M	Biol Psychiatry	17027928	F31: Bipolar Disorder
4	2011	Amico F	J Psychiatry Neurosci	20964952	F32-F33: Major depressive disorder. single episode/recurrent
5	2004	Antonini G	J Neurol Neurosurg Psychiatr	15489397	G12: Spinal Muscular Atrophy and Related Syndromes
6	2005	Antonova E	Biol Psychiatry	16039619	F20: Schizophrenia
7	2009	Arnone D	Eur Neuropsychopharmacol	-	F32-F33: Major depressive disorder. single episode/recurrent
8	2013	Arnone D	Mol Psychiatry	23128153	F32-F33: Major depressive disorder. single episode/recurrent
9	2009	Asami T	Psychiatry Res	19560907	F41: Other Anxiety Disorders
10	2007	Bassitt D P	Eur Arch Psychiatry Clin Neurosci	16960651	F20: Schizophrenia
11	2006	Baxter L C	J Alzheimers Dis	16914835	G30: Alzheimer's Disease
12	2007	Beal D S	NeuroReport	17632278	F80: Specific Developmental Disorders of Speech and Language
13	2006	Betting L E	NeuroImage	16702001	G40: Epilepsy and Recurrent Seizures
14	2015	Biederman S V	Magn Reson Med	25809140	F32-F33: Major depressive disorder. single episode/recurrent
15	2004	Bonilha L	Arch Neurol	15364683	G40: Epilepsy and Recurrent Seizures
16	2008	Bonilha L	Brain Dev	18362056	F84: Pervasive Developmental Disorders
17	2007	Bonilha L	J Neurol Neurosurg Psychiatr	17012334	G40: Epilepsy and Recurrent Seizures
18	2007	Brieber S	J Child Psychol Psychiatry	-	F84: Pervasive Developmental Disorders
19	2007	Brieber S	J Child Psychol Psychiatry	-	F90: Attention Deficit/Hyperactivity Disorder
20	2011	Brown G G	Psychiatry Res	21924872	F20: Schizophrenia
21	2011	Brown G G	Psychiatry Res	21924872	F31: Bipolar Disorder
22	2009	Butler C R	Brain	19073652	G40: Epilepsy and Recurrent Seizures
23	2012	Calderoni S	NeuroImage	21896334	F84: Pervasive Developmental Disorders
24	2006	Calhoun V D	Hum Brain Mapp	16108017	F20: Schizophrenia
25	2009	Carrion V G	Psychiatry Res Neuroimaging	19349151	F43: Reaction to Severe Stress and Adjustment Disorders
26	2009	Castro-Fornieles J	J Psychiatr Res	18486147	F50: Eating Disorders
27	2010	Celle S	J Neurol	19768657	G25: Other extrapyramidal and movement disorders
28	2006	Chan C H	Epilepsia	16499767	G40: Epilepsy and Recurrent Seizures
29	2014	Chaney A	J Psychiatry Neurosci	23900024	F32-F33: Major depressive disorder. single episode/recurrent

30	2007	Chen X	Aust N Z J Psychiatry	17464719	F31: Bipolar Disorder
31	2012	Chen Z	Neuropsychopharmacol Psychiatry	22119745	F31: Bipolar Disorder
32	2011	Cheng Y	PLoS One	21541322	F84: Pervasive Developmental Disorders
33	2008	Christian C J	Psychiatry Res NeurolImaging	18938065	F42: Obsessive Compulsive Disorder
34	2011	Cui L	Neurosci Lett	21138758	F20: Schizophrenia
35	2011	Cui L	Neurosci Lett	21138758	F31: Bipolar Disorder
36	2009	de Araujo-Filho G M	Epilepsy Behav	19303459	G40: Epilepsy and Recurrent Seizures
37	2011	de Castro-Manglano P	Psychiatry Res	21316203	F28: Other psychotic disorder not due to a substance or known physiological condition
38	2009	Deng M Y	Psychopharmacology	19641900	F20: Schizophrenia
39	2012	Ecker C	Arch Gen Psych	22310506	F84: Pervasive Developmental Disorders
40	2010	Ecker C	NeuroImage	19683584	F84: Pervasive Developmental Disorders
41	2007	Egger K	J Mov Disord	17588241	G24: Dystonia
42	2005	Etgen T	NeuroImage	15670702	G25: Other extrapyramidal and movement disorders
43	2012	Frangou S	Front Hum Neurosci	3277296	F31: Bipolar Disorder
44	2006	Garraux G	Ann Neurol	16437578	F95: Tic Disorder
45	2004	Garraux G	Ann Neurol	15122716	G24: Dystonia
46	2003	Gee J	Acad Radiol	14697007	G30: Alzheimer's Disease
47	2008	Gilbert A R	J Affect Disord	18342953	F42: Obsessive Compulsive Disorder
48	2005	Giuliani N R	Schizophr Res	15721994	F20: Schizophrenia
49	2011	Gong Q	NeuroImage	21134472	F32-F33: Major depressive disorder. single episode/recurrent
50	2011	Granert O	J Neurol Neurosurg Psychiatr	21705464	G24: Dystonia
51	2013	Grieve S M	NeuroImage	24273717	F32-F33: Major depressive disorder. single episode/recurrent
52	2004	Grossman M	Brain	14761903	G30: Alzheimer's Disease
53	2004	Grossman M	Brain	14761903	G31: Other Degenerative Diseases of Nervous System
54	2010	Ha T H	Neurosci Lett	19429131	F31: Bipolar Disorder
55	2004	Ha T H	Psychiatry Res	15664796	F20: Schizophrenia
56	2008	Haldane M	J Psychopharmacol	18308812	F31: Bipolar Disorder
57	2007	Hamalainen A	NeuroImage	17683950	G31: Other Degenerative Diseases of Nervous System
58	2006	Hendry J	NeuroImage	16214373	F84: Pervasive Developmental Disorders
59	2009	Henley S M	J Neurol	19266143	G10: Huntington's Disease
60	2008	Honea R A	Biol Psychiatry	17689500	F20: Schizophrenia
61	2007	Hornyak M	J Sleep Med	17512782	G25: Other extrapyramidal and movement disorders
62	2001	Hulshoff Pol H E	Arch Gen Psych	11735840	F20: Schizophrenia
63	2010	Hwang J	J Geriatr Psychiatry Neurol	-	F32-F33: Major depressive disorder. single episode/recurrent
64	2010	Hyde K L	Hum Brain Mapp	19790171	F84: Pervasive Developmental

					Disorders
65	2008	Hyde T M	Brain	18669483	F20: Schizophrenia
66	2010	Kasperek T	Hum Brain Mapp	19777553	F20: Schizophrenia
67	2004	Kawasaki Y	Eur Arch Psychiatry Clin Neurosci	15538599	F20: Schizophrenia
68	2008	Ke X	NeuroReport	18520994	F84: Pervasive Developmental Disorders
69	2007	Keller S S	Epilepsy Res	17412561	G40: Epilepsy and Recurrent Seizures
70	2002	Keller S S	J Neurol Neurosurg Psychiatr	12438464	G40: Epilepsy and Recurrent Seizures
71	2009	Kempton M J	J Neurosci	19726644	F31: Bipolar Disorder
72	2007	Kim J H	NeuroImage	17689105	G40: Epilepsy and Recurrent Seizures
73	2001	Kim J J	Br J Psychiatry	11581113	F42: Obsessive Compulsive Disorder
74	2010	Kostic V S	Neurology	20686125	G20: Parkinson's Disease
75	2013	Kozicky J M	Bipolar Disord	23919287	F31: Bipolar Disorder
76	2008	Ladoucer C D	J Am Acad Child Adolesc Psychiatry	18356765	F31: Bipolar Disorder
77	2013	Lee S H	Acta Radiologica	23474765	G20: Parkinson's Disease
78	2009	Leung K K	Psychol Med	18945378	F32-F33: Major depressive disorder. single episode/recurrent
79	2013	Lin C H	Front Hum Neurosci	23785322	G20: Parkinson's Disease
80	2013	Lin C H	Front Hum Neurosci	23785322	G25: Other extrapyramidal and movement disorders
81	2009	Lin K	Epilepsy Res	19570650	G40: Epilepsy and Recurrent Seizures
82	2010	Lu C	Cortex	19375076	F80: Specific Developmental Disorders of Speech and Language
83	2006	Ludolph A G	Br J Psychiatry	16648537	F95: Tic Disorder
84	2015	Mallik S	Mult Scler	4390521	G35: Multiple Sclerosis
85	2003	Marcelis M	Psychiatry Res	12694890	F28: Other psychotic disorder not due to a substance or known physiological condition
86	2005	McDonald C	Br J Psychiatry	15863740	F20: Schizophrenia
87	2011	Mengotti P	Brain Res Bull	21146593	F84: Pervasive Developmental Disorders
88	2011	Molina V	Eur Arch Psychiatry Clin Neurosci	21188405	F20: Schizophrenia
89	2010	Moriya J	Schizophr Res	19854618	F20: Schizophrenia
90	2007	O'Daly O	Psychiatry Res	17720459	F20: Schizophrenia
91	2007	Obermann M	J Mov Disord	17443700	G24: Dystonia
92	2011	Perico C A M	Bipolar Disord	21320250	F31: Bipolar Disorder
93	2011	Perico C A M	Bipolar Disord	21320250	F32-F33: Major depressive disorder. single episode/recurrent
94	2013	Prell T	BMC Neuroscience	24131497	G24: Dystonia
95	2010	Price G	NeuroImage	19632338	F20: Schizophrenia
96	2004	Pujol J	Arch Gen Psych	15237084	F42: Obsessive Compulsive Disorder
97	2014	Qiu L	Transl Psychiatry	24713859	F32-F33: Major depressive disorder. single episode/recurrent

98	2009	Raji C A	Neurology	19846828	G30: Alzheimer's Disease
99	2007	Ramirez-Ruiz B	European J Neurol	17594330	G20: Parkinson's Disease
100	2008	Riederer F	Neurology	18678824	G40: Epilepsy and Recurrent Seizures
101	2015	Rocca M A	Radiology	26348234	G35: Multiple Sclerosis
102	2002	Rosen H J	Neurology	11805245	G31: Other Degenerative Diseases of Nervous System
103	2004	Rusch N	J Neurol Neurosurg Psychiatr	15260365	G40: Epilepsy and Recurrent Seizures
104	2003	Salgado-Pineda P	NeuroImage	12814586	F20: Schizophrenia
105	2007	Salmond C H	Cortex	17710821	F84: Pervasive Developmental Disorders
106	2015	Saricicek A	J Affect Disord	26233321	F31: Bipolar Disorder
107	2010	Schafer A	NeuroImage	20035881	F50: Eating Disorders
108	2010	Scheuerecker J	J Psychiatry Neurosci	20569645	F32-F33: Major depressive disorder. single episode/recurrent
109	2013	Schiffer B	Schizophr Bull	23015687	F20: Schizophrenia
110	2006	Schmitz N	Biol Psychiatry	16140278	F84: Pervasive Developmental Disorders
111	2002	Shapleske J	Cereb Cortex	12427683	F20: Schizophrenia
112	2010	Smesny S	NeuroImage	20478385	F20: Schizophrenia
113	2002	Suzuki M	Schizophr Res	11955962	F20: Schizophrenia
114	2008	Szeszko P R	Am J Psychiatry	18413702	F42: Obsessive Compulsive Disorder
115	2014	Tang L R	Psychiatry Res Neuroimaging	25218414	F31: Bipolar Disorder
116	2010	Tanskanen P	Schizophr Bull	19015212	F20: Schizophrenia
117	2012	Tavazzi E	Neurological Sciences	25228014	G35: Multiple Sclerosis
118	2007	Theberge J	Br J Psychiatry	17906243	F20: Schizophrenia
119	2010	Toal F	Psychol Med	19891805	F84: Pervasive Developmental Disorders
120	2013	Truong W	Psychiatry Res	24099630	F32-F33: Major depressive disorder. single episode/recurrent
121	2008	Uchida R R	Psychiatry Res	18417322	F41: Other Anxiety Disorders
122	2005	Valente A A Jr	Biol Psychiatry	15978549	F42: Obsessive Compulsive Disorder
123	2013	van Eijndhoven P	Am J Psychiatry	23929204	F32-F33: Major depressive disorder. single episode/recurrent
124	2004	Waiter G D	NeuroImage	15193590	F84: Pervasive Developmental Disorders
125	2007	Wang J	Am J Neuroradiol	1735333	F90: Attention Deficit/Hyperactivity Disorder
126	2002	Watkins K E	Brain	11872605	F80: Specific Developmental Disorders of Speech and Language
127	2012	Watson D R	Behav Brain Res	22056751	F20: Schizophrenia
128	2012	Watson D R	Behav Brain Res	22056751	F31: Bipolar Disorder
129	2009	Wattendorf E	J Neurosci	20007465	G20: Parkinson's Disease
130	2006	Whitford T J	NeuroImage	16677830	F20: Schizophrenia
131	2004	Whitwell J L	Neurodegener Dis	16908994	G31: Other Degenerative Diseases of Nervous System
132	2001	Wilke M	NeuroImage	11304078	F20: Schizophrenia
133	1999	Woermann F G	Brain	10545395	G40: Epilepsy and Recurrent Seizures

134	2010	Yasuda C L	Neurology	20350980	G40: Epilepsy and Recurrent Seizures
135	2008	Yoo S Y	J Korean Med Sci	18303194	F42: Obsessive Compulsive Disorder

Table S4. Clusters of GM Decrease

Cluster #	Voxels	x	y	z	Side	Label	BA
1	33473	-1	-19	5	R	Thalamus (Medial Dorsal Nucleus)	
		12	9	12	R	Caudate (Caudate Body)	
		-8	8	6	L	Caudate (Caudate Body)	
		-3	-19	8	L	Thalamus (Medial Dorsal Nucleus)	
		-27	-32	-7	L	Parahippocampal Gyrus. Hippocampus	
2	11924	22	-7	-16	R	Amygdala	
		30	-10	9	R	Putamen	
3	10606	37	17	-1	R	Insula	13
		50	8	6	R	Precentral Gyrus	44
4	10558	-35	20	2	L	Insula	13
		-54	5	-4	L	Superior Temporal Gyrus	22
5	3596	1	35	26	R	Anterior Cingulate	32
6	1606	2	53	-1	R	Medial Frontal Gyrus	10
7	1485	-44	8	32	L	Middle Frontal Gyrus	9
		-50	8	29	L	Inferior Frontal Gyrus	9
8	416	1	38	-16	R	Medial Frontal Gyrus	11
9	362	51	-22	14	R	Insula	
		55	-21	16	R	Postcentral Gyrus	40
10	320	-53	-20	14	L	Transverse Temporal Gyrus	41

Table S5. Clusters of GM increase

Cluster #	Voxels	x	y	z	Side	Label	BA
1	88629	-8	2	-1	L	Lentiform Nucleus	
		-4	-2	0	L	Thalamus	
		7	-7	-2	R	Hypothalamus	
		24	-10	-14	R	Amygdala	
		-36	-14	-7	L	Insula	
2	3688	-52	-25	26	L	Inferior Parietal Lobule	40
		49	-25	23	R	Insula	13
3	1834	18	50	23	R	Superior Frontal Gyrus	10
4	1538	-2	-49	53	L	Precuneus	7
5	1512	-35	-61	30	L	Middle Temporal Gyrus	39
6	1276	-53	-28	28	L	Inferior Parietal Lobule	40
7	864	-48	-25	41	L	Postcentral Gyrus	2
8	789	-14	38	-7	L	Medial Frontal Gyrus	10
9	629	34	-63	-13	R	Fusiform Gyrus	
10	615	-18	35	-19	L	Inferior Frontal Gyrus	11
11	489	-53	-17	44	L	Postcentral Gyrus	1
12	445	-48	-10	-27	L	Inferior Temporal Gyrus	20

Table S6. Synopsis of decrement nodes

<i>Record number</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>Side</i>	<i>Label</i>	<i>BA</i>
1	-4	-4	12	L	Thal	/
2	6	-16	14	R	VNL	/
3	-8	-12	20	L	Thal	/
4	14	-40	-6	R	Culm	/
5	-52	38	-2	L	IFG	BA 10
6	-24	-4	-34	L	Uncus	BA 36
7	-34	-10	-34	L	Uncus	BA 20
8	40	52	0	R	IFG	/
9	46	14	38	R	MFG	BA 9
10	54	-2	12	R	PrecG	BA 6
11	40	4	0	R	Ins	BA 13
12	-46	18	34	L	MFG	BA 9
13	-54	-4	-30	L	ITG	BA 20
14	-50	10	-28	L	MTG	BA 21
15	-60	-32	-2	L	MTG	BA 39
16	26	-82	-34	R	Pyr	/
17	-30	-34	-14	L	PHG	BA 36
18	50	-30	18	R	Ins	BA 13
19	-44	2	-22	L	MTG	BA 21
20	30	-42	-10	R	PHG	BA 37
21	-28	48	28	L	SFG	BA 9
22	-8	54	28	L	SFG	BA 9
23	54	-8	32	R	PrecG	BA 6
24	-40	46	-14	L	MFG	BA 11
25	42	-4	-4	R	Ins	BA 13
26	42	-30	50	R	PostcG	BA 40
27	-52	-8	34	L	PrecG	BA 6
28	46	4	34	R	PrecG	BA 6
29	-42	10	-4	L	Ins	BA 13
30	58	-14	42	R	PrecG	BA 6
31	8	2	6	R	Cau Body	/
32	-52	2	36	L	PrecG	BA 6
33	-38	18	6	L	Ins	BA 13
34	52	-48	24	R	SMG	BA 40
35	54	8	-20	R	MTG	BA 21
36	-58	-50	-10	L	MTG	BA 37
37	-10	8	10	L	Cau Body	/

38	38	16	6	R	Ins	BA 13
39	42	-6	6	R	Ins	BA 13
40	42	-14	12	R	Ins	BA 13
41	-48	-52	28	L	SMG	BA 40
42	50	-24	6	R	STG	BA 41
43	-48	-30	10	L	STG	BA 41
44	44	-12	0	R	Ins	BA 13
45	-42	-10	12	L	Ins	BA 13
46	-12	-58	8	L	PCC	BA 30
47	6	24	20	R	ACC	BA 24
48	0	-34	44	L	PCun	BA 7
49	10	10	12	R	Cau Body	/
50	-4	26	20	L	ACC	BA 24
51	-42	-4	4	L	Ins	BA 13
52	-56	-4	-20	L	MTG	BA 21
53	-38	6	6	L	Ins	BA 13
54	6	24	-24	R	RG	BA 11
55	40	12	-34	R	STG	BA 38
56	-40	16	-28	L	STG	BA 38
57	32	14	-24	R	STG	BA 38
58	-10	0	16	L	Cau Body	/
59	-2	14	26	L	Cing	BA 24
60	38	4	10	R	Ins	BA 13
61	-10	-22	36	L	Cing	BA 31
62	10	-22	40	R	Cing	BA 31
63	0	-18	34	L	Cing	BA 24
64	-8	-12	38	L	Cing	BA 24
65	50	12	6	R	PrecG	BA 44
66	-2	10	50	L	SFG	BA 6
67	16	6	64	R	SFG	BA 6
68	56	-16	12	R	TTG	BA 41
69	40	8	-22	R	STG	BA 38
70	0	40	38	L	MedFG	BA 8
71	-40	0	14	L	Ins	BA 13
72	-12	-28	44	L	Cing	BA 31
73	36	-24	-22	R	PHG	BA 36
74	-34	10	-22	L	STG	BA 38
75	40	16	-16	R	IFG	BA 47
76	-40	8	-14	L	STG	BA 38
77	-46	10	38	L	MFG	BA 8
78	38	22	12	R	Ins	BA 13

79	-38	12	14	L	Ins	BA 13
80	-6	28	-20	L	RG	BA 11
81	14	-72	32	R	Cun	BA 7
82	4	-70	32	R	Cun	BA 7
83	-2	-50	32	L	PCun	BA 31
84	38	-10	16	R	Ins	BA 13
85	-8	-2	36	L	Cing	BA 24
86	-48	-20	14	L	TTG	BA 41
87	-12	-74	38	L	PCun	BA 7
88	42	4	-12	R	STG	BA 38
89	-62	-32	12	L	STG	BA 22
90	46	12	-6	R	STG	BA 38
91	-10	-52	38	L	PCun	BA 7
92	-62	-22	-14	L	MTG	BA 21
93	24	-8	-14	R	PHG	/
94	-58	-54	14	L	STG	BA 22
95	-8	20	-4	L	Cau Head	/
96	-6	66	-4	L	MedFG	BA 10
97	-4	58	2	L	MedFG	BA 10
98	-48	-36	20	L	Ins	BA 13
99	10	-30	46	R	PCL	BA 31
100	-20	-64	14	L	PCC	BA 31
101	18	-60	16	R	PCC	BA 31
102	4	0	46	R	Cing	BA 24
103	-28	28	40	L	MFG	BA 8
104	0	0	-6	L	ACC	BA 25
105	34	-36	-18	R	FFG	BA 20
106	10	20	-6	R	Cau Head	/
107	52	-22	-14	R	MTG	BA 21
108	24	-72	24	R	PCun	BA 31
109	-26	18	46	L	MFG	BA 8
110	-46	-8	-16	L	ITG	BA 20
111	-26	6	-30	L	Uncus	BA 28
112	-52	-14	14	L	PostcG	/
113	-46	-76	10	L	MTG	BA 39
114	62	-6	16	R	PostcG	BA 43
115	-6	10	0	L	Cau Head	/
116	0	40	6	L	ACC	BA 32
117	44	-18	22	R	Ins	BA 13
118	-22	-4	-12	L	PHG	/
119	2	-48	42	R	Cing	BA 31

120	56	-4	-12	R	MTG	BA 21
121	0	-14	8	L	MDN	/
122	-52	0	-12	L	MTG	BA 21
123	-6	50	10	L	MedFG	BA 10
124	-42	0	-8	L	Ins	BA 13
125	-48	14	10	L	IFG	BA 44
126	-48	6	16	L	IFG	BA 44
127	-8	-20	14	L	Thal	/
128	14	-34	10	R	Pulv	/
129	12	-24	10	R	Pulv	/
130	58	-12	-10	R	MTG	BA 21
131	-54	-64	-4	L	MOG	BA 19
132	-30	-86	18	L	MOG	BA 19
133	-22	2	-20	L	Uncus	BA 34
134	38	-84	18	R	MOG	BA 19
135	-30	-42	-8	L	PHG	BA 37
136	0	26	-12	L	MedFG	BA 11
137	-48	-62	28	L	MTG	BA 39
138	-56	-18	42	L	PostcG	BA 4
139	-8	22	6	L	Cau Body	/
140	12	20	4	R	Cau Head	/
141	28	-16	-20	R	PhG	BA 28
142	52	-30	-6	R	MTG	BA 21
143	-60	-18	-6	L	MTG	BA 21
144	-60	-46	-4	L	MTG	BA 21
145	4	48	12	R	MedFG	BA 10
146	-8	60	14	L	MedFG	BA 10
147	0	36	-8	L	ACC	BA 32
148	-60	-10	24	L	PostcG	BA 3
149	-50	-10	44	L	PrecG	BA 4
150	-28	-12	-16	L	PHG	/
151	-62	-52	4	L	MTG	BA 21
152	-22	10	-8	L	LentN	/
153	44	44	-6	R	MFG	BA 10
154	2	32	12	R	ACC	BA 24
155	2	34	46	R	SFG	BA 8
156	-50	30	18	L	MFG	BA 46
157	34	-28	-12	R	Hip	/
158	-24	2	-2	L	Put	/
159	-28	-74	40	L	PCun	BA 19
160	-4	2	4	L	Cau Head	/

161	0	4	-16	L	SubcallG	BA 25
162	-34	-24	48	L	PrecG	BA 4
163	-34	-26	-8	L	Hip	/
164	-20	8	6	L	Put	/
165	-26	26	-20	L	IFG	BA 11
166	52	-34	6	R	MTG	BA 22
167	-30	50	-4	L	MFG	BA 10
168	-30	56	4	L	MFG	BA 10
169	60	-24	44	R	PostcG	BA 2
170	58	-20	-22	R	FFG	BA 20
171	2	16	-12	R	SubcallG	BA 25
172	4	-26	-6	R	RedN	/
173	-24	-20	-8	L	PHG	BA 28
174	32	-34	-4	R	Hip	/
175	4	-16	-6	R	RedN	/
176	-18	-34	-16	L	Culm	/
177	-46	-38	-24	L	Culm	/
178	-60	-38	6	L	MTG	BA 22
179	-40	28	-12	L	IFG	BA 47
180	50	-20	-4	R	STG	BA 22
181	42	-4	-18	R	Fus	BA 20
182	12	-32	0	R	PHG	BA 27
183	-14	-34	0	L	PHG	BA 27
184	48	32	24	R	MFG	BA 46
185	-28	-34	-2	L	Hip	/
186	-16	-42	-8	L	Culm	/
187	-26	-30	-24	L	Culm	/
188	50	6	22	R	IFG	BA 44
189	8	-40	-20	R	Culm	/
190	-58	-4	-4	L	MTG	BA 21
191	8	-6	14	R	Thal	/
192	-6	44	-4	L	ACC	BA 32
193	52	20	24	R	IFG	BA 9
194	-38	22	-20	L	IFG	BA 47
195	-62	-24	6	L	STG	BA 22
196	56	8	14	R	IFG	BA 44
197	-26	56	20	L	MFG	BA 10
198	38	42	22	R	MFG	BA 10
199	38	-6	-38	R	ITG	BA 20
200	28	-4	-32	R	Unc	BA 36
201	-42	54	2	L	IFG	BA 10

202	-2	42	16	L	MedFG	BA 9
203	-52	4	26	L	IFG	BA 9
204	-54	-60	-14	L	Fus	BA 37
205	-46	-20	8	L	STG	BA 13
206	50	20	12	R	IFG	BA 45
207	-48	24	10	L	IFG	BA 45
208	54	-10	6	R	STG	BA 22
209	4	-32	-14	R	Culm	/
210	-52	-20	-32	L	ITG	BA 20
211	6	52	-8	R	MedFG	BA 10
212	-2	34	26	L	Cing	BA 32
213	24	-14	-30	R	Unc	BA 28
214	6	20	30	R	Cing	BA 32
215	52	28	18	R	MFG	BA 46
216	-8	10	36	L	Cing	BA 32
217	58	6	28	R	IFG	BA 9
218	-2	-4	-14	L	HypoThal	/
219	34	28	-12	R	IFG	BA 47
220	42	-16	-32	R	ITG	BA 20
221	-46	46	-4	L	IFG	BA 10
222	-30	60	-6	L	SFG	BA 10
223	-54	-10	-28	L	ITG	BA 20
224	58	-10	-20	R	ITG	BA 20
225	58	-52	-14	R	ITG	BA 20
226	30	58	-4	R	SFG	BA 10
227	-56	-46	36	L	IPL	BA 40
228	4	24	42	R	Cing	BA 32
229	26	58	6	R	SFG	BA 10
230	-24	4	-12	L	SubcalIG	BA 34
231	26	6	-30	R	Unc	BA 28
232	-24	-8	-28	L	Unc	BA 28
233	-50	24	26	L	MFG	BA 46
234	-2	52	20	L	MedFG	BA 9
235	26	-16	-8	R	LentN	/
236	28	50	14	R	SFG	BA 10
237	12	16	-22	R	RG	BA 11
238	-50	16	20	L	IFG	BA 9
239	-40	18	-10	L	IFG	BA 47
240	4	30	34	R	MedFG	BA 6
241	-26	46	18	L	SFG	BA 10
242	-48	36	-10	L	IFG	BA 47

243	-34	36	-8	L	MFG	BA 11
244	38	20	-6	R	IFG	BA 47
245	26	4	-20	R	Unc	BA 28
246	-56	-32	-12	L	ITG	BA 20
247	-36	24	-2	L	IFG	BA 47
248	16	30	-24	R	OrbG	BA 47
249	28	38	-20	R	MFG	BA 11
250	-10	-10	48	L	MedFG	BA 6
251	-2	38	-18	L	MedFG	BA 11
252	6	46	-16	R	MedFG	BA 11
253	26	2	-10	R	SubcalIG	BA 34
254	22	-6	-24	R	PhG	BA 35
255	56	-20	24	R	IPL	BA 40
256	4	-14	52	R	MedFG	BA 6
257	-4	48	-14	L	MedFG	BA 11
258	48	38	2	R	IFG	BA 46
259	-50	24	0	L	IFG	BA 47
260	-28	-22	-18	L	PhG	BA 35
261	-42	6	48	L	MFG	BA 6
262	-54	-4	8	L	PrecG	BA 6
263	-32	34	-18	L	MFG	BA 11
264	38	24	0	R	IFG	BA 47
265	44	14	28	R	MFG	BA 9
266	-40	-54	44	L	IPL	BA 40
267	-50	36	10	L	IFG	BA 46
268	-58	-16	32	L	PostcG	BA 3
269	44	38	-14	R	MFG	BA 11
270	18	36	28	R	MedFG	BA 9
271	44	32	-6	R	MFG	BA 47
272	-18	-28	-8	L	PHG	BA 28
273	-28	-18	-28	L	PhG	BA 36
274	48	38	12	R	IFG	BA 46
275	-2	44	28	L	MedFG	BA 9
276	-46	42	18	L	MFG	BA 46
277	-44	10	28	L	IFG	BA 9

Table S7. Synopsis of increment nodes

<i>Record Number</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>Side</i>	<i>Label</i>	<i>BA</i>
1	34	-44	-40	R	CerTons	/
2	-22	-70	-40	L	Inf_Semi-lunar_Lob	/
3	14	-68	-40	R	Inf_Semi-lunar_Lob	/
4	-52	-12	-38	L	ITG	BA 20
5	-34	-16	-38	L	Uncus	BA 20
6	46	-44	-34	R	CerTons	/
7	-42	0	-30	L	MTG	BA 21
8	-24	-2	-30	L	Uncus	BA 36
9	38	2	-30	R	MTG	BA 21
10	-48	-16	-28	L	ITG	BA 20
11	-30	-10	-30	L	Uncus	BA 28
12	28	-22	-26	R	PHG	BA 36
13	24	-8	-26	R	Uncus	BA 28
14	22	2	-26	R	Uncus	BA 28
15	2	-36	-24	R	Culm	/
16	-46	-34	-24	L	FFG	BA 20
17	-30	-30	-24	L	Culm	/
18	-52	-26	-24	L	FFG	BA 20
19	34	-14	-24	R	Uncus	BA 20
20	-24	-12	-22	L	PHG	/
21	-24	4	-22	L	Uncus	BA 28
22	34	-38	-22	R	Culm	/
23	-16	-24	-22	L	Culm	/
24	-30	-18	-20	L	PHG	/
25	38	-4	-22	R	MTG	BA 21
26	24	10	-20	R	IFG	BA 47
27	8	28	-20	R	RG	BA 11
28	8	38	-20	R	RG	BA 11
29	18	40	-20	R	MFG	BA 11
30	-8	20	-18	L	RG	BA 11
31	24	28	-18	R	IFG	BA 11
32	-20	42	-18	L	SFG	BA 11
33	36	-80	-16	R	Declive	/
34	34	-46	-16	R	Culm	/
35	6	-30	-16	R	Culm	/
36	32	-28	-18	R	PHG	BA 36
37	28	-14	-16	R	PHG	/
38	20	-6	-16	R	Amyg	/

39	-16	4	-16	L	PHG	BA 34
40	38	16	-16	R	IFG	BA 47
41	-22	28	-20	L	IFG	BA 11
42	34	32	-18	R	IFG	BA 47
43	36	-70	-14	R	FFG	BA 19
44	-36	-66	-16	L	Declive	/
45	-26	-38	-14	L	Culm	/
46	-34	-28	-14	L	PHG	BA 36
47	-64	-22	-14	L	MTG	BA 21
48	-52	-22	-14	L	MTG	BA 21
49	40	4	-14	R	STG	BA 38
50	10	20	-14	R	MedFG	BA 25
51	-36	-86	-12	L	IOG	BA 18
52	50	-56	-12	R	FFG	BA 37
53	-12	-18	-12	L	SN	/
54	-26	-12	-12	L	PHG	/
55	-48	-4	-14	L	MTG	BA 21
56	20	4	-12	R	SubcalIG	BA 34
57	-18	12	-10	L	LentN	/
58	-42	12	-12	L	STG	BA 38
59	-6	30	-14	L	MedFG	BA 11
60	-12	40	-12	L	MedFG	BA 10
61	56	-48	-10	R	ITG	BA 20
62	28	-38	-10	R	PHG	BA 36
63	-6	-28	-6	L	Thal	/
64	-20	-26	-12	L	PHG	BA 35
65	50	-22	-10	R	STG	BA 22
66	-4	-8	-12	L	MammB	/
67	22	16	-12	R	SubcalIG	BA 47
68	34	24	-10	R	IFG	BA 47
69	6	30	-10	R	ACC	BA 32
70	-28	34	-10	L	MFG	BA 11
71	26	-92	-10	R	FFG	BA 18
72	-14	-48	-10	L	Culm	/
73	-54	-44	-8	L	MTG	BA 20
74	-28	-46	-6	L	PHG	BA 19
75	26	-8	-8	R	Amyg	/
76	-42	2	-8	L	Ins	BA 13
77	-10	18	-8	L	Cau Head	/
78	-20	22	-6	L	LentN	/
79	-36	40	-8	L	MFG	BA 11

80	34	48	-10	R	MFG	BA 11
81	40	-78	-6	R	IOG	BA 19
82	40	-64	-6	R	FFG	BA 19
83	-44	-62	-10	L	FFG	BA 37
84	12	-38	-6	R	Culm	/
85	28	-26	-8	R	Hip	/
86	40	-12	-6	R	Ins	BA 13
87	-30	-4	-6	L	Put	/
88	-18	-4	-6	L	LGP	/
89	8	-2	-8	R	HypoThal	/
90	36	10	-6	R	Ins	BA 13
91	-36	20	-8	L	IFG	BA 47
92	-10	48	-4	L	MedFG	BA 10
93	30	62	-6	R	SFG	BA 10
94	38	-90	-4	R	IOG	BA 18
95	16	-48	-6	R	Culm	/
96	-26	-32	-6	L	PHG	Hip
97	10	8	-4	R	Cau Head	/
98	48	-56	0	R	ITG	BA 19
99	-14	-40	-4	L	PHG	BA 30
100	12	-24	-2	R	MGB	/
101	-28	-16	0	L	LentN	/
102	52	-14	-4	R	STG	BA 22
103	12	-12	-2	R	SN	/
104	48	-4	-4	R	STG	BA 22
105	-18	6	-2	L	LentN	/
106	22	6	-2	R	Put	/
107	-40	10	-2	L	Ins	BA 13
108	-8	24	0	L	Cau Head	/
109	10	36	0	R	ACC	/
110	-40	58	-4	L	MFG	BA 10
111	20	-92	-2	R	LG	BA 17
112	58	-36	-2	R	MTG	BA 21
113	-40	-24	-2	L	Ins	BA 13
114	40	-24	-2	R	Ins	BA 13
115	-8	-10	0	L	VLN	/
116	-40	-4	0	L	Ins	BA 13
117	-10	8	0	L	Cau Head	/
118	-10	40	4	L	ACC	BA 32
119	6	-56	2	R	Culm	/
120	-48	-36	2	L	STG	BA 22

121	-16	-32	2	L	Pulv	/
122	2	-14	0	R	Thal	/
123	28	-8	2	R	Put	/
124	40	-2	2	R	Ins	BA 13
125	42	18	2	R	Ins	/
126	-44	22	2	L	IFG	BA 47
127	10	46	0	R	ACC	BA 32
128	26	52	2	R	SFG	BA 10
129	14	-36	4	R	PHG	BA 30
130	-18	-18	4	L	VPLN	/
131	-28	-8	4	L	Put	/
132	-20	-2	4	L	Put	/
133	10	12	4	R	Cau Head	/
134	-46	32	4	L	IFG	BA 47
135	-32	56	2	L	MFG	BA 10
136	-8	-56	6	L	PCC	BA 30
137	-64	-30	4	L	MTG	BA 22
138	12	-18	6	R	Pulv	/
139	44	-16	4	R	Ins	BA 13
140	-42	4	6	L	PrecG	BA 44
141	44	8	4	R	Ins	BA 13
142	-24	12	6	L	Put	/
143	-6	18	8	L	Cau Body	/
144	24	0	12	R	LentN	/
145	28	46	10	R	MFG	BA 10
146	20	60	6	R	SFG	BA 10
147	24	-90	8	R	MOG	BA 18
148	10	6	8	R	Cau Body	/
149	32	30	8	R	IFG	BA 45
150	-36	40	10	L	MFG	BA 10
151	32	58	10	R	MFG	BA 10
152	-32	-92	12	L	MOG	BA 18
153	36	-78	12	R	MOG	BA 19
154	-10	-50	12	L	PCC	BA 30
155	-46	-40	12	L	STG	BA 41
156	-16	-30	12	L	Pulv	/
157	16	-22	14	R	LPN	/
158	30	-14	12	R	Put	/
159	6	-10	12	R	MDN	/
160	38	-8	10	R	Ins	BA 13
161	-22	4	12	L	Put	/

162	-48	10	12	L	PrecG	BA 44
163	52	12	10	R	IFG	BA 44
164	-4	28	10	L	ACC	BA 24
165	40	38	10	R	MFG	BA 10
166	-32	50	10	L	MFG	BA 10
167	-26	-10	14	L	Put	/
168	38	2	12	R	Ins	BA 13
169	46	20	12	R	IFG	BA 45
170	12	28	14	R	ACC	BA 24
171	-44	34	14	L	MFG	BA 46
172	20	54	14	R	SFG	BA 10
173	-36	-82	16	L	MOG	BA 19
174	-56	-30	16	L	STG	BA 42
175	-8	48	16	L	MedFG	BA 10
176	34	-86	18	R	MOG	BA 19
177	44	-34	18	R	Ins	BA 13
178	56	-26	18	R	PostcG	BA 40
179	12	-18	18	R	LDN	/
180	18	-6	18	R	Cau Body	/
181	20	64	16	R	SFG	BA 10
182	22	-90	20	R	Cun	BA 18
183	-10	-42	18	L	PCC	BA 29
184	-50	-22	20	L	Ins	BA 13
185	56	-6	18	R	PrecG	BA 4
186	-18	-8	20	L	Cau Body	/
187	-52	4	20	L	IFG	BA 44
188	-46	16	20	L	IFG	BA 9
189	-52	34	16	L	MFG	BA 46
190	-38	-72	18	L	MTG	BA 39
191	-8	24	20	L	ACC	BA 32
192	12	-48	24	R	PCC	BA 31
193	-48	-32	24	L	IPL	BA 40
194	48	-60	26	R	STG	BA 39
195	-12	-56	26	L	Pcun	BA 31
196	48	-40	26	R	IPL	BA 40
197	56	-20	24	R	IPL	BA 40
198	54	14	26	R	IFG	BA 9
199	-44	-78	26	L	SOG	BA 19
200	-38	-58	28	L	STG	BA 39
201	56	-30	28	R	IPL	BA 40
202	-4	-28	28	L	Cing	BA 23

203	-52	-16	28	L	PostcG	BA 4
204	-44	-2	26	L	IFG	BA 9
205	-46	12	28	L	IFG	BA 9
206	-2	14	26	L	ACC	BA 24
207	-48	24	26	L	MFG	BA 46
208	12	-90	28	R	Cun	BA 19
209	8	-56	28	R	PCC	BA 31
210	-60	-56	30	L	SMG	BA 40
211	-8	-38	28	L	PCC	BA 31
212	-56	2	32	L	PrecG	BA 6
213	-12	56	32	L	SFG	BA 9
214	40	-62	34	R	AngG	BA 39
215	-48	-26	32	L	PostcG	BA 2
216	32	-80	34	R	Pcun	BA 19
217	-10	-62	34	L	Pcun	BA 7
218	-36	-50	34	L	IPL	BA 40
219	8	-36	32	R	PCC	BA 31
220	52	-8	34	R	PrecG	BA 6
221	-52	-68	36	L	AngG	BA 39
222	-34	-66	36	L	PCun	BA 19
223	38	-42	36	R	SMG	BA 40
224	58	-26	34	R	IPL	BA 40
225	6	-12	36	R	ACC	BA 24
226	50	4	38	R	MFG	BA 6
227	-44	6	36	L	PrecG	BA 9
228	-46	16	34	L	MFG	BA 9
229	22	46	34	R	SFG	BA 9
230	48	-70	38	R	AG	BA 39
231	-34	-42	40	L	IPL	BA 40
232	-50	-18	38	L	PostcG	BA 3
233	-52	-8	38	L	PrecG	BA 6
234	-8	-54	40	L	Pcun	BA 7
235	-8	48	38	L	SFG	BA 8
236	-32	-58	42	L	IPL	BA 7
237	-48	-30	40	L	IPL	BA 40
238	58	-18	40	R	PrecG	BA 4
239	32	18	42	R	MFG	BA 8
240	12	-46	46	R	PCun	BA 7
241	-44	12	44	L	MFG	BA 8
242	-44	-44	44	L	IPL	BA 40
243	-22	20	46	L	MFG	BA 8

244	-2	-42	46	L	PCun	BA 7
245	44	-40	46	R	IPL	BA 40
246	-32	-36	48	L	PostcG	BA 3
247	-46	-26	50	L	PostcG	BA 2
248	48	-26	46	R	PostcG	BA 2
249	-38	-20	46	L	PostcG	BA 3
250	-52	-16	48	L	PostcG	BA 1
251	-52	-6	48	L	PrecG	BA 4
252	8	6	44	R	ACC	BA 24
253	32	24	50	R	SFG	BA 8
254	22	-26	48	R	PostcG	BA 3
255	16	-4	50	R	ACC	BA 24
256	30	10	50	R	MFG	BA 6
257	-34	-52	52	L	SPL	BA 40
258	20	12	50	R	SFG	BA 6
259	4	-50	52	R	PCun	BA 7
260	46	-18	52	R	PostcG	BA 3
261	0	-68	54	L	PCun	BA 7
262	-30	-30	56	L	PrecG	BA 4
263	-20	-50	56	L	PCun	BA 7
264	-12	-42	56	L	PCun	BA 7
265	2	-40	56	R	ParacLob	BA 5
266	12	-54	58	R	PCun	BA 7
267	10	-32	62	R	PostcG	BA 3
268	-6	-48	66	L	PostcG	BA 7
269	-18	-44	64	L	PostcG	BA 5
270	6	6	66	R	SFG	BA 6
271	16	-48	66	R	PostcG	BA 7