

## Supplementary Table

Sample information in this study.

	Sample type	Sample_description	in house/ GEO	GEO_accession No.	GSE_accession No.
1	Blood	Lymphocyte	GEO	GSM141552	GSE6088
2	Blood	Lymphocyte	GEO	GSM141553	GSE6088
3	Blood	Lymphocyte	GEO	GSM141554	GSE6088
4	Blood	Lymphocyte	GEO	GSM141555	GSE6088
5	Blood	Lymphocyte	GEO	GSM217766	GSE8762
6	Blood	Lymphocyte	GEO	GSM217767	GSE8762
7	Blood	Lymphocyte	GEO	GSM217768	GSE8762
8	Blood	Lymphocyte	GEO	GSM217769	GSE8762
9	Blood	Lymphocyte	GEO	GSM674835	GSE27291
10	Blood	Lymphocyte	GEO	GSM674838	GSE27291
11	Blood	Lymphocyte	GEO	GSM674841	GSE27291
12	Blood	Lymphocyte	GEO	GSM674844	GSE27291
13	Blood	Lymphoblasts	GEO	GSM505297	GSE20153
14	Blood	Lymphoblasts	GEO	GSM505298	GSE20153
15	Blood	Lymphoblasts	GEO	GSM505299	GSE20153
16	Blood	Lymphoblasts	GEO	GSM505300	GSE20153
17	Blood	Lymphoblasts	GEO	GSM505301	GSE20153
18	Blood	Lymphoblasts	GEO	GSM505302	GSE20153
19	Blood	Lymphoblasts	GEO	GSM505332	GSE20153
20	Blood	Lymphoblasts	GEO	GSM505618	GSE20153
21	Adult Brain	superiorfrontalgyrus	GEO	GSM119666	GSE5281
22	Adult Brain	superiorfrontalgyrus	GEO	GSM119667	GSE5281
23	Adult Brain	superiorfrontalgyrus	GEO	GSM119668	GSE5281
24	Adult Brain	superiorfrontalgyrus	GEO	GSM119669	GSE5281
25	Adult Brain	superiorfrontalgyrus	GEO	GSM119670	GSE5281
26	Adult Brain	superiorfrontalgyrus	GEO	GSM119671	GSE5281
27	Adult Brain	superiorfrontalgyrus	GEO	GSM119672	GSE5281
28	Adult Brain	superiorfrontalgyrus	GEO	GSM119673	GSE5281
29	Adult Brain	superiorfrontalgyrus	GEO	GSM119674	GSE5281
30	Adult Brain	superiorfrontalgyrus	GEO	GSM119675	GSE5281
31	Adult Brain	superiorfrontalgyrus	GEO	GSM119676	GSE5281
32	Adult Brain	amygdala	GEO	GSM175842	GSE7307
33	Adult Brain	amygdala	GEO	GSM175843	GSE7307
34	Adult Brain	amygdala	GEO	GSM175844	GSE7307
35	Adult Brain	amygdala	GEO	GSM175845	GSE7307
36	Adult Brain	cerebellum	GEO	GSM175852	GSE7307
37	Adult Brain	cerebellum	GEO	GSM175853	GSE7307
38	Adult Brain	cerebellum	GEO	GSM175854	GSE7307
39	Adult Brain	corpus_callosum	GEO	GSM175855	GSE7307
40	Adult Brain	corpus_callosum	GEO	GSM175856	GSE7307

41	Adult Brain	corpus_callosum	GEO	GSM175857	GSE7307
42	Adult Brain	corpus_callosum	GEO	GSM175858	GSE7307
43	Adult Brain	frontal_lobe	GEO	GSM175859	GSE7307
44	Adult Brain	frontal_lobe	GEO	GSM175860	GSE7307
45	Adult Brain	hippocampus	GEO	GSM175861	GSE7307
46	Adult Brain	substantia_nigra	GEO	GSM175871	GSE7307
47	Adult Brain	substantia_nigra	GEO	GSM175872	GSE7307
48	Adult Brain	substantia_nigra	GEO	GSM175873	GSE7307
49	Adult Brain	cerebellum	GEO	GSM175907	GSE7307
50	Adult Brain	hippocampus	GEO	GSM175987	GSE7307
51	Adult Brain	hippocampus	GEO	GSM175988	GSE7307
52	Adult Brain	frontal_lobe	GEO	GSM176017	GSE7307
53	Adult Brain	amygdala	GEO	GSM176045	GSE7307
54	Adult Brain	cerebellum	GEO	GSM176048	GSE7307
55	Adult Brain	cerebral_cortex	GEO	GSM176049	GSE7307
56	Adult Brain	corpus_callosum	GEO	GSM176050	GSE7307
57	Adult Brain	frontal_lobe	GEO	GSM176051	GSE7307
58	Adult Brain	hippocampus	GEO	GSM176052	GSE7307
59	Adult Brain	substantia_nigra	GEO	GSM176059	GSE7307
60	Adult Brain	hypothalamus	GEO	GSM176067	GSE7307
61	Adult Brain	hypothalamus	GEO	GSM176116	GSE7307
62	Adult Brain	frontal_lobe	GEO	GSM176120	GSE7307
63	Adult Brain	substantia_nigra	GEO	GSM176125	GSE7307
64	Adult Brain	amygdala	GEO	GSM176147	GSE7307
65	Adult Brain	amygdala	GEO	GSM176148	GSE7307
66	Adult Brain	amygdala	GEO	GSM176149	GSE7307
67	Adult Brain	cerebellum	GEO	GSM176157	GSE7307
68	Adult Brain	cerebellum	GEO	GSM176158	GSE7307
69	Adult Brain	cerebellum	GEO	GSM176159	GSE7307
70	Adult Brain	cerebellum	GEO	GSM176160	GSE7307
71	Adult Brain	cerebral_cortex	GEO	GSM176161	GSE7307
72	Adult Brain	cerebral_cortex	GEO	GSM176162	GSE7307
73	Adult Brain	cerebral_cortex	GEO	GSM176163	GSE7307
74	Adult Brain	cerebral_cortex	GEO	GSM176164	GSE7307
75	Adult Brain	corpus_callosum	GEO	GSM176165	GSE7307
76	Adult Brain	corpus_callosum	GEO	GSM176166	GSE7307
77	Adult Brain	corpus_callosum	GEO	GSM176167	GSE7307
78	Adult Brain	corpus_callosum	GEO	GSM176168	GSE7307
79	Adult Brain	frontal_lobe	GEO	GSM176170	GSE7307
80	Adult Brain	frontal_lobe	GEO	GSM176171	GSE7307
81	Adult Brain	frontal_lobe	GEO	GSM176172	GSE7307
82	Adult Brain	frontal_lobe	GEO	GSM176173	GSE7307
83	Adult Brain	hippocampus	GEO	GSM176174	GSE7307
84	Adult Brain	hippocampus	GEO	GSM176175	GSE7307
85	Adult Brain	hippocampus	GEO	GSM176176	GSE7307

86	Adult Brain	hippocampus	GEO	GSM176177	GSE7307
87	Adult Brain	substantia_nigra	GEO	GSM176212	GSE7307
88	Adult Brain	substantia_nigra	GEO	GSM176213	GSE7307
89	Adult Brain	hypothalamus	GEO	GSM176226	GSE7307
90	Adult Brain	hypothalamus	GEO	GSM176233	GSE7307
91	Adult Brain	cerebral_cortex	GEO	GSM176344	GSE7307
92	Adult Brain	cerebral_cortex	GEO	GSM176345	GSE7307
93	Adult Brain	cerebral_cortex	GEO	GSM176346	GSE7307
94	Adult Brain	cerebral_cortex	GEO	GSM176347	GSE7307
95	Adult Brain	caudate	GEO	GSM176363	GSE7307
96	Adult Brain	caudate	GEO	GSM176365	GSE7307
97	Adult Brain	caudate	GEO	GSM176369	GSE7307
98	Adult Brain	caudate	GEO	GSM176372	GSE7307
99	Adult Brain	hypothalamus	GEO	GSM176381	GSE7307
100	Adult Brain	hypothalamus	GEO	GSM176382	GSE7307
101	Adult Brain	hypothalamus	GEO	GSM176383	GSE7307
102	Adult Brain	hypothalamus	GEO	GSM176384	GSE7307
103	Adult Brain	hippocampus	GEO	GSM300219	GSE11882
104	Adult Brain	superiorfrontalgyrus	GEO	GSM300221	GSE11882
105	Adult Brain	hippocampus	GEO	GSM300231	GSE11882
106	Adult Brain	entorhinalcortex	GEO	GSM300252	GSE11882
107	Adult Brain	hippocampus	GEO	GSM300272	GSE11882
108	Adult Brain	superiorfrontalgyrus	GEO	GSM300274	GSE11882
109	Adult Brain	entorhinalcortex	GEO	GSM300275	GSE11882
110	Adult Brain	entorhinalcortex	GEO	GSM300279	GSE11882
111	Adult Brain	superiorfrontalgyrus	GEO	GSM300284	GSE11882
112	Adult Brain	hippocampus	GEO	GSM300298	GSE11882
113	Adult Brain	superiorfrontalgyrus	GEO	GSM300299	GSE11882
114	Adult Brain	entorhinalcortex	GEO	GSM300300	GSE11882
115	Adult Brain	entorhinalcortex	GEO	GSM300308	GSE11882
116	Adult Brain	cortex	GEO	GSM596843	GSE24265
117	Adult Brain	cortex	GEO	GSM596846	GSE24265
118	Adult Brain	cortex	GEO	GSM596849	GSE24265
119	Adult Brain	cortex	GEO	GSM596851	GSE24265
120	Adult Brain	cerebellum	GEO	GSM92460	GSE4036
121	Adult Brain	cerebellum	GEO	GSM92461	GSE4036
122	Adult Brain	cerebellum	GEO	GSM92462	GSE4036
123	Adult Brain	cerebellum	GEO	GSM92463	GSE4036
124	Adult Brain	cerebellum	GEO	GSM92464	GSE4036
125	Fetal Brain	Fetal cortex	GEO	GSM543630	GSE21858
126	Fetal Brain	Fetal cortex	GEO	GSM543631	GSE21858
127	Fetal Brain	Fetal cortex	GEO	GSM543632	GSE21858
128	Fetal Brain	Fetal cortex	GEO	GSM543633	GSE21858
129	Fetal Brain	Fetal cortex	GEO	GSM543634	GSE21858
130	Fetal Brain	Fetal cortex	GEO	GSM543635	GSE21858

131	Fetal Brain	Fetal cortex	GEO	GSM543636	GSE21858
132	Fetal Brain	Fetal cortex	GEO	GSM543637	GSE21858
133	Fetal Brain	Fetal cortex	GEO	GSM578392	GSE23579
134	Fetal Brain	Fetal cortex	GEO	GSM578399	GSE23579
135	Stem cell	ES cell	GEO	GSM172874	GSE7214
136	Stem cell	ES cell	GEO	GSM172875	GSE7214
137	Stem cell	ES cell	GEO	GSM172876	GSE7214
138	Stem cell	ES cell	GEO	GSM172877	GSE7214
139	Stem cell	ES cell	GEO	GSM172878	GSE7214
140	Stem cell	ES cell	GEO	GSM172879	GSE7214
141	Stem cell	ES cell	GEO	GSM172880	GSE7214
142	Stem cell	ES cell	GEO	GSM172881	GSE7214
143	Stem cell	ES cell	GEO	GSM172882	GSE7214
144	Stem cell	ES cell	GEO	GSM347921	GSE13828
145	Stem cell	ES cell	GEO	GSM347922	GSE13828
146	Stem cell	ES cell	GEO	GSM347923	GSE13828
147	Stem cell	ES cell	GEO	GSM347924	GSE13828
148	Stem cell	ES cell	GEO	GSM347925	GSE13828
149	Stem cell	ES cell	GEO	GSM367061	GSE14711
150	Stem cell	ES cell	GEO	GSM367062	GSE14711
151	Stem cell	ES cell	GEO	GSM462819	GSE18618
152	Stem cell	ES cell	GEO	GSM462820	GSE18618
153	Stem cell	ES cell	GEO	GSM462821	GSE18618
154	Stem cell	ES cell	GEO	GSM482072	GSE18618
155	Stem cell	ES cell	GEO	GSM482073	GSE18618
156	Stem cell	ES cell	GEO	GSM482074	GSE18618
157	Stem cell	ES cell	GEO	GSM748367	GSE30220
158	Stem cell	ES cell	GEO	GSM748368	GSE30220
159	Stem cell	ES cell	GEO	GSM748369	GSE30220
160	Stem cell	iPS cell	GEO	GSM347916	GSE13828
161	Stem cell	iPS cell	GEO	GSM347917	GSE13828
162	Stem cell	iPS cell	GEO	GSM347918	GSE13828
163	Stem cell	iPS cell	GEO	GSM367243	GSE14711
164	Stem cell	iPS cell	GEO	GSM367244	GSE14711
165	Stem cell	iPS cell	GEO	GSM367245	GSE14711
166	Stem cell	iPS cell	GEO	GSM367258	GSE14711
167	Stem cell	iPS cell	GEO	GSM462813	GSE18618
168	Stem cell	iPS cell	GEO	GSM462814	GSE18618
169	Stem cell	iPS cell	GEO	GSM462815	GSE18618
170	Stem cell	iPS cell	GEO	GSM462816	GSE18618
171	Stem cell	iPS cell	GEO	GSM462817	GSE18618
172	Stem cell	iPS cell	GEO	GSM462818	GSE18618
173	Stem cell	MSC	GEO	GSM172856	GSE7214
174	Stem cell	MSC	GEO	GSM172857	GSE7214
175	Stem cell	MSC	GEO	GSM172858	GSE7214

176	Stem cell	MSC	GEO	GSM172859	GSE7214
177	Stem cell	MSC	GEO	GSM172860	GSE7214
178	Stem cell	MSC	GEO	GSM172861	GSE7214
179	Stem cell	MSC	GEO	GSM172862	GSE7214
180	Stem cell	MSC	GEO	GSM172863	GSE7214
181	Stem cell	MSC	GEO	GSM172864	GSE7214
182	Stem cell	NPC(ES/iPS)	GEO	GSM172865	GSE7214
183	Stem cell	NPC(ES/iPS)	GEO	GSM172866	GSE7214
184	Stem cell	NPC(ES/iPS)	GEO	GSM172867	GSE7214
185	Stem cell	NPC(ES/iPS)	GEO	GSM172868	GSE7214
186	Stem cell	NPC(ES/iPS)	GEO	GSM172869	GSE7214
187	Stem cell	NPC(ES/iPS)	GEO	GSM172870	GSE7214
188	Stem cell	NPC(ES/iPS)	GEO	GSM172871	GSE7214
189	Stem cell	NPC(ES/iPS)	GEO	GSM172872	GSE7214
190	Stem cell	NPC(ES/iPS)	GEO	GSM172873	GSE7214
191	Stem cell	NPC(fetal cortex)	GEO	GSM335938	GSE13307
192	Stem cell	NPC(fetal cortex)	GEO	GSM335941	GSE13307
193	Stem cell	NPC(fetal cortex)	GEO	GSM344813	GSE13715
194	Stem cell	NPC(fetal cortex)	GEO	GSM344814	GSE13715
195	Stem cell	NPC(fetal cortex)	GEO	GSM344815	GSE13715
196	Stem cell	NPC(fetal cortex)	GEO	GSM344816	GSE13715
197	Stem cell	NPC(fetal cortex)	GEO	GSM344817	GSE13715
198	Stem cell	NPC(fetal cortex)	GEO	GSM344818	GSE13715
199	Stem cell	NPC(fetal cortex)	GEO	GSM344820	GSE13715
200	Stem cell	NPC(fetal cortex)	GEO	GSM344829	GSE13715
201	Stem cell	NPC(fetal cortex)	GEO	GSM344830	GSE13715
202	Stem cell	NPC(fetal cortex)	GEO	GSM344831	GSE13715
203	Stem cell	NPC(fetal cortex)	GEO	GSM344832	GSE13715
204	Stem cell	NPC(fetal cortex)	GEO	GSM480450	GSE19345
205	Stem cell	NPC(fetal cortex)	GEO	GSM480451	GSE19345
206	Blood	Lymphoblast	in house	N/A	N/A
207	Blood	Lymphoblast	in house	N/A	N/A
208	Blood	Lymphoblast	in house	N/A	N/A
209	Blood	Lymphoblast	in house	N/A	N/A
210	Blood	Lymphoblast	in house	N/A	N/A
211	Stem cell	ES	in house	N/A	N/A
212	Stem cell	iPS cell	in house	N/A	N/A
213	Stem cell	iPS cell	in house	N/A	N/A
214	Stem cell	iPS cell	in house	N/A	N/A
215	Stem cell	iPS cell	in house	N/A	N/A
216	Stem cell	iPS cell	in house	N/A	N/A
217	Stem cell	iPS cell	in house	N/A	N/A
218	Stem cell	iPS cell	in house	N/A	N/A
219	Stem cell	iPS cell	in house	N/A	N/A
220	Stem cell	iPS cell	in house	N/A	N/A

221	Stem cell	iPS cell	in house	N/A	N/A
222	Stem cell	iPS cell	in house	N/A	N/A
223	Stem cell	NPC(ES/iPS)	in house	N/A	N/A
224	Stem cell	NPC(ES/iPS)	in house	N/A	N/A
225	Stem cell	NPC(ES/iPS)	in house	N/A	N/A
226	Stem cell	NPC(ES/iPS)	in house	N/A	N/A
227	Stem cell	NPC(ES/iPS)	in house	N/A	N/A
228	Stem cell	OE cell	in house	N/A	N/A
229	Stem cell	OE cell	in house	N/A	N/A
230	Stem cell	OE cell	in house	N/A	N/A
231	Stem cell	OE cell	in house	N/A	N/A
232	Stem cell	OE cell	in house	N/A	N/A
233	Stem cell	OE cell	in house	N/A	N/A
234	Stem cell	OE cell	in house	N/A	N/A
235	Stem cell	OE cell	in house	N/A	N/A
236	Stem cell	OE cell	in house	N/A	N/A

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