

**Supplementary Table 1. Demographic characteristics of subjects retained after QC and PCA analysis**

Case#	DX	DSM DX	2' DX	Cause of death	Manner of death	Sex	Age	Race	PMI (h)	pH	RIN	Suicide	Smoke	APD	AD	Benz/ VPA	Lithium	Storage Time (m)	A1	A2	A3	A4	A5	Brain regions used after QC/PCA
516	Control	none	Control	Gunshot wound	Homicide	M	20	B	14	6.9	9.0, 8.0	N	N	N	N	N	N	211	-0.0802	0.00098	0.02809	-0.0061	-0.0167	DLPFC, ACC
546	Control	none	Control	Cardiovascular disease	Natural	F	37	W	23.5	6.7	9.2, 8.0	N	U	N	N	N	N	207	0.02125	0.02603	0.00087	-0.0207	0.00488	DLPFC, ACC
551	Control	none	Control	Cardiac tamponade	Natural	M	61	W	16.4	6.6	8.9, 8.0	N	U	N	N	N	N	206	0.02144	0.03391	0.00345	-0.0301	0.02362	DLPFC, ACC
567	Control	none	Control	Mitral valve prolapse	Natural	F	46	W	15.0	6.7	7.5	N	U	N	N	N	N	203	0.02124	0.02221	-1E-04	-0.028	-0.0008	ACC
592	Control	none	Control	Cardiovascular disease	Natural	M	41	B	22.1	6.7	9.1, 8.3	N	Y	N	N	N	N	198	-0.0873	0.00084	0.01848	-0.0052	-0.0002	DLPFC, ACC
604	Control	none	Control	Cardiovascular disease	Natural	M	39	W	19.3	7.1	8.9, 7.8	N	N	N	N	N	N	196	0.02062	0.00011	0.00538	0.00793	-0.0009	DLPFC, ACC
630	Control	none	Control	Cardiovascular disease	Natural	M	65	W	21.2	7.0	8.4, 7.4	N	N	N	N	N	N	193	0.0209	0.0283	0.00324	-0.0041	0.02597	DLPFC, ACC
634	Control	none	Control	Cardiovascular disease	Natural	M	52	W	16.2	7.0	8.5, 7.9	N	U	N	N	N	N	192	0.02063	0.02023	-0.0024	0.01096	0.01095	DLPFC, ACC
681	Control	none	Control	Cardiomyopathy	Natural	M	51	W	11.6	7.2	8.7, 8.3	N	N	N	N	N	N	186	0.02116	0.0206	0.0031	-0.0175	0.0069	DLPFC, ACC
685	Control	none	Control	Cardiovascular disease	Natural	M	56	W	14.5	6.6	8.7, 8.9	N	N	N	N	N	N	186	0.02193	0.01736	0.00128	0.00245	0.00374	DLPFC, ACC
686	Control	none	Control	Cardiovascular disease	Natural	F	52	W	22.6	7.0	8.4, 8.7	N	Y	N	N	N	N	185	0.02139	0.02818	0.00351	0.0183	-0.0433	DLPFC, ACC
694	Control	none	Control	Subarachnoid hemorrhage	Natural	M	38	W	20.7	7.0	8.3, 7.0	N	N	N	N	N	N	186	0.02153	0.03047	0.00575	-0.0107	-0.0038	DLPFC, ACC
700	Control	none	Control	Cardiovascular disease	Natural	M	42	W	26.1	7.0	8.5	N	U	N	N	N	N	183	0.0202	-0.005	-0.0013	0.0416	-0.0045	DLPFC
727	Control	none	Control	Blunt force trauma	Accidental	M	19	B	7.0	7.2	9.0, 9.1	N	N	N	N	N	N	179	-0.0863	0.00098	0.03169	-0.0012	-0.0071	DLPFC, ACC
739	Control	none	Control	Cardiovascular disease	Natural	M	40	W	15.8	6.9	8.5, 8.8	N	Y	N	N	N	N	180	0.02193	0.02336	0.00779	-0.0038	0.0092	DLPFC, ACC
789	Control	none	Control	Asphyxiation	Accidental	M	22	W	20.1	6.8	8.2, 8.0	N	N	N	N	N	N	174	0.02052	0.00553	-0.0047	0.01552	-0.031	DLPFC, ACC
795	Control	none	Control	Ruptured aortic aneurysm	Natural	M	68	W	11.8	6.8	7.0, 7.2	N	N	N	N	N	N	172	0.02022	0.00875	0.00151	-0.0044	0.00066	DLPFC, ACC
806	Control	none	Control	Pulmonary embolism	Natural	M	57	W	24.0	6.9	8.6, 7.7	N	N	N	N	N	N	166	0.01937	-0.0375	0.00192	0.14883	-0.0198	DLPFC, ACC
818	Control	none	Control	Anaphylaxis	Accidental	F	67	W	24	7.1	8.7, 8.4	N	N	N	N	N	N	164	0.02127	0.02728	0.00634	0.00661	0.01862	DLPFC, ACC

822	Control	none	Control	Cardiovascular disease	Natural	M	28	B	25.3	7.0	7.7, 7.6	N	N	N	N	N	N	162	-0.0854	0.00086	0.02964	0.00062	-0.0106	DLPFC, ACC
838	Control	none	Control	Cardiovascular disease	Natural	M	58	W	16.5	7.0	8.8, 7.5	N	N	N	N	N	N	165	0.02135	0.02292	-0.0029	-0.0244	-0.0034	DLPFC, ACC
840	Control	none	Control	Cardiovascular disease	Natural	F	41	W	15.4	6.6	8.3, 7.8	N	Y	N	N	N	N	162	0.0214	0.03081	0.00445	0.00144	-0.034	DLPFC, ACC
841	Control	none	Control	Cardiomyopathy	Natural	M	70	W	21.2	7.2	8.1, 7.3	N	N	N	N	N	N	164	0.02209	0.02462	0.00859	-0.0034	-0.0024	DLPFC, ACC
852	Control	none	Control	Cardiac tamponade	Natural	M	54	W	8.0	6.8	8.6, 8.7	N	Y	N	N	N	N	155	0.02164	0.0324	0.00169	-0.0115	0.0109	DLPFC, ACC
857	Control	none	Control	Cardiovascular disease	Natural	M	48	W	16.6	6.7	7.9	N	Y	N	N	N	N	154	0.02051	0.02501	-0.0019	-0.0314	0.03046	ACC
871	Control	none	Control	Blunt force trauma	Accidental	M	28	W	16.5	7.1	7.9	N	Y	N	N	N	N	152	0.02106	0.0107	0.00558	0.02009	-0.0007	ACC
902	Control	none	Control	Cardiovascular disease	Natural	M	60	W	23.6	6.7	8.7	N	Y	N	N	N	N	147	0.02112	0.01796	-0.0024	-0.0065	-0.0157	DLPFC
970	Control	none	Control	Cardiovascular disease	Natural	M	42	W	25.9	6.4	7.8, 6.9	N	Y	N	N	N	N	133	0.02145	0.02849	0.00258	-0.0094	0.00347	DLPFC, ACC
987	Control	none	Control	Cardiovascular disease	Natural	F	65	W	21.5	6.8	8.7, 7.7	N	N	N	N	N	N	131	0.02074	0.02445	-0.0004	-0.0467	0.00781	DLPFC, ACC
988	Control	none	Control	Blunt force trauma	Accidental	M	82	W	22.5	6.2	8.4, 7.9	N	N	N	N	N	N	131	0.02173	0.02465	0.00484	-0.0337	0.00932	DLPFC, ACC
1026	Control	none	Control	Cardiovascular disease	Natural	M	59	W	19.8	6.3	8.2	N	Y	N	N	N	N	125	0.02079	0.02087	0.00387	0.01553	-0.0163	DLPFC
1031	Control	none	Control	Cardiovascular disease	Natural	M	53	W	23.2	6.8	8.5, 7.9	N	N	N	N	N	N	130	0.0217	0.02187	0.00564	-0.0265	0.01616	DLPFC, ACC
1047	Control	none	Control	Cardiovascular disease	Natural	M	43	W	13.8	6.6	9.0, 7.7	N	N	N	N	N	N	122	0.02097	0.03008	0.00475	-0.0259	0.00415	DLPFC, ACC
1081	Control	none	Control	Chronic Obstructive Pulmonary disease	Natural	F	57	W	14.9	6.8	8.5, 8.6	N	N	N	N	Y	N	124	0.02166	0.02079	0.00319	-0.0111	-0.0099	DLPFC, ACC
1086	Control	none	Control	Cardiovascular disease	Natural	M	51	W	24.2	6.8	8.9, 8.7	N	Y	N	N	N	N	115	0.02048	0.03429	0.00078	-0.0387	-0.0392	DLPFC, ACC
1092	Control	none	Control	Mitral Valve Prolapse	Natural	F	40	B	16.6	6.8	8.7, 7.9	N	N	N	N	N	N	115	-0.0849	0.00097	0.02503	-0.0065	-0.006	DLPFC, ACC
1099	Control	none	Control	Cardiomyopathy	Natural	F	24	W	9.1	6.5	9.3, 8.6	N	Y	N	N	N	N	114	0.02069	0.01466	0.00369	0.04843	-0.015	DLPFC, ACC
1122	Control	none	Control	Cardiac Tamponade	Natural	M	55	W	15.4	6.7	9.0, 8.6	N	Y	N	N	N	N	111	0.01896	-0.0183	0.00178	0.0825	-0.0599	DLPFC, ACC
1153	Control	none	Control	Cardiovascular disease	Natural	M	55	W	28.0	6.1	8.5, 8.1	N	N	N	N	N	N	113	0.02038	0.03831	-0.0105	-0.0139	0.03658	DLPFC, ACC

1191	Control	none	Control	Cardiovascular disease	Natural	M	59	B	19.4	6.2	8.4	N	Y	N	N	N	N	104	-0.0865	0.00091	0.02604	-0.0021	-0.011	DLPFC
1196	Control	none	Control	Asphyxiation	Accidental	F	36	W	14.5	6.4	8.4	N	N	N	N	N	N	109	0.02053	0.03086	0.00163	-0.0282	0.00934	DLPFC
1247	Control	none	Control	Cardiovascular disease	Natural	F	58	W	22.7	6.4	7.9, 8.3	N	N	N	N	N	N	96	0.02065	-0.0036	-0.0028	0.01303	-0.0114	DLPFC, ACC
1268	Control	none	Control	Cardiovascular disease	Natural	M	49	B	19.9	7.1	8.9, 8.6	N	N	N	N	N	N	93	-0.0878	0.00078	0.02662	0.0027	0.0069	DLPFC, ACC
1270	Control	none	Control	Blunt force trauma	Accidental	F	73	W	19.7	6.7	8.4, 7.3	N	N	N	N	N	N	93	0.01837	-0.0811	0.00304	-0.0311	0.00823	DLPFC, ACC
1282	Control	none	Control	Cardiovascular disease	Natural	F	39	W	24.5	6.8	8.8, 8.0	N	N	N	N	N	N	95	0.02129	0.02796	0.00491	-0.022	0.0004	DLPFC, ACC
1284	Control	none	Control	Cardiovascular disease	Natural	M	55	W	6.4	6.8	9.2, 9.2	N	Y	N	N	N	N	90	0.02125	0.0037	0.0066	0.05392	-0.0369	DLPFC, ACC
1293	Control	none	Control	Blunt force trauma	Accidental	F	65	W	18.5	6.5	8.4, 8.2	N	N	N	N	N	N	94	0.02086	0.02838	-0.0009	-0.0327	0.00119	DLPFC, ACC
1298	Control	none	Control	Cardiovascular disease	Natural	M	48	W	24.5	6.5	8.0, 6.8	N	N	N	N	N	N	92	0.02179	0.02127	0.00329	0.01659	-0.0454	DLPFC, ACC
1307	Control	none	Control	Cardiovascular disease	Natural	M	32	B	4.8	6.7	7.1	N	Y	N	N	N	N	85	-0.0796	0.00084	0.01671	0.0002	-0.0129	DLPFC
1324	Control	none	Control	Aortic Dissection	Natural	M	43	W	22.3	7	9.0, 8.3	N	N	N	N	N	N	82	0.02054	0.00746	-0.0049	0.09252	-0.0247	DLPFC, ACC
1326	Control	none	Control	Cardiovascular disease	Natural	M	58	W	16.4	6.7	8.7, 7.7	N	N	N	N	N	N	82	0.02089	0.03083	0.00088	-0.0213	0.02467	DLPFC, ACC
1336	Control	none	Control	Cardiac Tamponade	Natural	M	65	W	18.4	6.8	8.0, 8.4	N	Y	N	N	N	N	80	0.0214	0.02846	0.00449	-0.0143	0.014	DLPFC, ACC
1350	Control	none	Control	Blunt force trauma	Accidental	M	21	W	24.2	6.4	8.6, 7.5	N	Y	N	N	N	N	79	0.02159	0.02189	0.00507	0.0266	-0.0106	DLPFC, ACC
1372	Control	none	Control	Asphyxiation	Accidental	M	37	W	20.5	6.6	8.6, 7.8	N	U	N	N	N	N	76	0.02058	0.02945	-0.0015	-0.0092	-0.0523	DLPFC, ACC
1374	Control	none	Control	Cardiovascular disease	Natural	M	43	W	21.7	6.6	8.2, 7.7	N	Y	N	N	N	N	76	0.0206	0.02689	-0.003	-0.0083	0.00665	DLPFC, ACC
1386	Control	none	Control	Cardiovascular disease	Natural	M	46	W	21.2	6.7	8.4	N	Y	N	N	N	N	72	0.02038	0.03152	0.00165	-0.0044	-0.0178	DLPFC
1391	Control	none	Control	Cardiovascular disease	Natural	F	51	W	7.8	6.6	8.0, 8.4	N	Y	N	N	N	N	71	0.02119	0.02425	-6E-05	0.01648	-0.023	DLPFC, ACC
1394	Control	none	Control	Cardiovascular disease	Natural	M	45	W	17.3	6.6	8.6, 7.3	N	N	N	N	N	N	77	0.02197	0.02764	0.00332	0.01514	-0.0091	DLPFC, ACC
1403	Control	none	Control	Cardiovascular disease	Natural	F	45	W	12.3	6.4	8.2, 8.3	N	Y	N	N	N	N	76	0.02088	0.02607	0.00528	0.01044	-0.0006	DLPFC, ACC

1429	Control	none	Control	Cardiomyopathy	Natural	M	44	B	23.9	6.8	9.2, 8.4	N	N	N	N	N	N	72	-0.0855	0.001	0.02932	-0.0035	-0.0053	DLPFC, ACC
1433	Control	none	Control	Blunt force trauma	Accidental	M	65	W	24.1	6.8	8.6, 8.5	N	N	N	N	N	N	64	0.0213	0.0282	0.00055	-0.0269	0.02988	DLPFC, ACC
1444	Control	none	Control	Pulmonary embolism	Natural	M	46	W	22.0	6.3	8.1, 5.8	N	N	N	N	N	N	66	0.02181	0.03091	0.00234	-0.0374	-0.0122	DLPFC, ACC
1466	Control	none	Control	Blunt force trauma	Accidental	F	64	B	20.0	6.7	8.8, 8.2	N	N	N	N	N	N	58	-0.0739	0.00088	0.02544	-0.0035	-0.0148	DLPFC, ACC
1472	Control	none	Control	Pulmonary embolism	Natural	M	61	W	23.8	6.5	8.8, 7.1	N	N	N	N	N	N	57	0.02154	0.03105	0.0044	-0.0015	-0.0017	DLPFC, ACC
1482	Control	none	Control	Cardiovascular disease	Natural	M	25	W	20.2	6.6	9.1, 7.3	N	N	N	N	N	N	63	0.02157	0.01187	0.0039	0.01125	0.00026	DLPFC, ACC
1489	Control	none	Control	Hypoglycemia	Natural	M	25	W	16.9	5.9	8.3, 7.9	N	N	N	N	N	N	62	0.02162	0.0205	0.00494	-0.0132	0.01599	DLPFC, ACC
1518	Control	none	Control	Cardiovascular disease	Natural	M	50	W	20.7	6.4	8.0, 7.2	N	Y	N	N	N	N	47	0.02021	-0.0062	-0.0013	0.06276	-0.0107	DLPFC, ACC
1524	Control	none	Control	Intestinal infarction	Natural	M	66	W	9.4	6.4	9.3, 7.9	N	N	N	N	N	N	46	0.02095	0.03	0.00114	-0.0032	0.00346	DLPFC, ACC
1543	Control	none	Control	Subarachnoid hemorrhage	Natural	F	45	W	17.9	6.8	8.9, 6.4	N	Y	N	N	N	N	43	0.02121	0.03081	0.00518	-0.0211	0.01054	DLPFC, ACC
1554	Control	none	Control	Cardiovascular disease	Natural	M	50	W	23.2	6.5	8.2, 7.5	N	N	N	N	N	N	41	0.02056	0.0197	0.0018	-0.016	0.00788	DLPFC, ACC
1555	Control	none	Control	Blunt force trauma	Accidental	M	17	W	15.1	6.9	9.1, 8.2	N	Y	N	N	N	N	41	0.0208	0.03044	0.00167	0.02006	0.01637	DLPFC, ACC
1558	Control	none	Control	Cardiovascular disease	Natural	M	54	W	24.4	6.9	8.7, 6.9	N	N	N	N	N	N	41	0.02134	0.02629	0.00647	0.01056	-0.0067	DLPFC, ACC
1583	Control	none	Control	Blunt force trauma	Accidental	M	58	W	19.1	6.8	9.0, 6.7	N	Y	N	N	N	N	36	0.02066	0.03271	-0.0009	-0.0173	0.00864	DLPFC, ACC
1598	Control	none	Control	Cardiovascular disease	Natural	M	50	W	23.8	6.9	8.2, 8.2	N	N	N	N	N	N	41	0.02137	-0.002	0.0043	0.04597	-0.009	DLPFC, ACC
1605	Control	none	Control	Cardiovascular disease	Natural	F	21	W	23.9	6.9	8.5, 8.1	N	N	N	N	N	N	39	0.02129	0.01115	0.00045	0.0332	-0.0008	DLPFC, ACC
1635	Control	none	Control	Cardiac tamponade	Natural	M	66	W	25.3	6.8	7.9, 6.8	N	N	N	N	N	N	28	0.0213	0.03425	0.00473	0.00767	-0.0226	DLPFC, ACC
1637	Control	none	Control	Cardiovascular disease	Natural	M	46	W	16.6	6.9	8.4, 7.3	N	N	N	N	N	N	35	0.01941	0.00399	-0.0014	0.05023	0.0096	DLPFC, ACC
1694	Control	none	Control	Acute myocarditis	Natural	F	67	W	8.5	6.7	9.1, 8.1	N	N	N	N	N	N	23	0.02113	0.02908	0.00335	0.01381	0.02515	DLPFC, ACC
1770	Control	none	Control	Asphyxiation	Accidental	M	52	W	28.2	6.8	8.2, 8.1	N	N	N	N	N	N	12	0.0213	0.00817	0.0059	0.02988	0.01177	DLPFC, ACC

1783	Control	none	Control	Blunt force trauma	Accidental	F	23	W	15.9	6.8	8.4, 8.4	N	Y	N	N	N	N	9	0.02038	0.0318	-0.0036	-0.0197	0.00652	DLPFC, ACC
1789	Control	none	Control	Cardiovascular disease	Natural	F	53	W	13.7	6.8	8.6, 7.6	N	Y	N	N	N	N	5	0.02138	0.03221	0.00393	0.00167	-0.0149	DLPFC, ACC
1792	Control	none	Control	Pulmonary embolism	Natural	F	36	W	28.1	6.5	8.7, 8.1	N	Y	N	N	N	N	4	0.02138	0.02854	0.00462	-0.0128	-0.0264	DLPFC, ACC
10003	Control	none	Control	Blunt force trauma	Natural	M	49	W	21.2	6.5	8.4, 8.3	N	N	N	N	N	N	103	0.02045	0.03681	0.00113	-0.0349	0.02127	DLPFC, ACC
10005	Control	none	Control	Blunt force trauma	Accidental	M	42	W	23.5	6.7	9.0	N	N	N	N	N	N	103	0.02116	0.02878	0.00396	0.02181	0.01449	DLPFC
10019	Control	none	Control	Cardiomyopathy	Natural	F	41	B	19.3	6.6	8.8, 7.3	N	N	N	N	N	N	105	-0.0865	0.00094	0.02923	-0.0016	-0.0082	DLPFC, ACC
533	Schiz	Chronic undifferentiated schizophrenia	"pure" SCZ	Asphyxiation	Accidental	M	40	W	29.1	6.8	9.0, 7.7	N	U	Y	N	N	N	208	0.01981	-0.0212	-0.0003	0.10041	-0.0182	DLPFC, ACC
566	Schiz	Chronic undifferentiated schizophrenia; AAR	"pure" SCZ	Cardiovascular disease	Natural	M	63	W	18.3	6.8	7.8, 7.5	N	Y	Y	Y	Y	N	203	0.02143	0.02256	0.00482	0.0102	0.0297	DLPFC, ACC
581	Schiz	Chronic paranoid schizophrenia; ADC; OAC	"pure" SCZ	Combined drug overdose	Accidental	M	46	W	28.1	7.2	8.1, 7.6	N	U	Y	N	Y	N	201	0.0219	0.01697	0.00664	-0.0132	0.00756	DLPFC, ACC
587	Schiz	Chronic undifferentiated schizophrenia; AAR	"pure" SCZ	Cardiovascular disease	Natural	F	38	B	17.8	7.0	7.7, 8	N	Y	Y	N	Y	N	199	-0.0856	0.00088	0.02185	-0.0031	0.00407	DLPFC, ACC
621	Schiz	Chronic undifferentiated schizophrenia	"pure" SCZ	Asphyxiation	Accidental	M	83	W	16.0	7.3	8.3, 6.6	N	U	N	N	N	N	195	0.01668	-0.0392	-0.0091	0.11361	-0.0559	DLPFC, ACC
622	Schiz	Chronic undifferentiated schizophrenia	"pure" SCZ	Right MCA infarction	Natural	M	58	W	18.9	6.8	7.9, 6.8	N	Y	N	N	N	N	194	0.02082	0.02904	-0.003	-0.0223	0.00145	DLPFC, ACC
625	Schiz	Chronic disorganized schizophrenia; AAC	"pure" SCZ	Cardiovascular disease	Natural	M	49	B	23.5	7.3	7.5, 7.6	N	Y	Y	Y	N	N	194	-0.08	0.00102	0.01908	-0.0069	-0.0068	DLPFC, ACC
640	Schiz	Chronic paranoid schizophrenia	"pure" SCZ	Pulmonary embolism	Natural	M	49	W	5.2	6.9	8.8, 8.1	N	U	Y	Y	N	N	191	0.02013	0.0242	-0.0083	-0.0074	0.02034	DLPFC, ACC
665	Schiz	Chronic paranoid schizophrenia; ADC	"pure" SCZ	Intestinal hemorrhage	Natural	M	59	B	28.1	6.9	8.6, 7.5	N	Y	Y	Y	N	N	190	-0.068	0.00097	0.02732	-0.0091	-0.0056	DLPFC, ACC
722	Schiz	Chronic undifferentiated schizophrenia; ODR; OAR	"pure" SCZ	Upper Gastrointestinal bleeding	Natural	M	45	B	9.1	6.7	8.7, 9	N	Y	Y	N	N	N	180	-0.0853	0.00088	0.03107	-0.0009	-0.0154	DLPFC, ACC
878	Schiz	Disorganized schizophrenia; ADC	"pure" SCZ	Myocardial fibrosis	Natural	M	33	W	10.8	6.7	8.0	N	Y	Y	Y	Y	N	152	0.02101	0.03289	0.00087	-0.0314	0.0122	ACC
917	Schiz	Chronic undifferentiated schizophrenia	"pure" SCZ	Cardiovascular disease	Natural	F	71	W	23.8	6.8	7.7, 7.3	N	Y	Y	N	N	N	144	0.02153	0.00461	0.00118	0.0354	-0.0051	DLPFC, ACC
933	Schiz	Disorganized schizophrenia	"pure" SCZ	Myocarditis	Natural	M	44	W	8.3	5.9	8.2, 6.9	N	N	Y	Y	Y	N	141	0.02155	0.02719	0.00271	-0.0042	-0.0162	DLPFC, ACC
1088	Schiz	Undifferentiated Schizophrenia; ADC; OAC	"pure" SCZ	Combined drug overdose	Accidental	M	49	W	21.5	6.5	7.7, 8.1	N	Y	Y	Y	N	N	115	0.02164	0.02821	0.00334	-0.0223	-0.0253	DLPFC, ACC

1173	Schiz	Disorganized schizophrenia; ADR	"pure" SCZ	Cardiovascular disease	Natural	M	62	W	22.9	6.4	8.0, 8.3	N	Y	Y	N	N	N	107	0.02085	0.02767	-0.0054	0.00103	-0.03	DLPFC, ACC
1188	Schiz	Undifferentiated schizophrenia; AAR; OAR	"pure" SCZ	Cardiovascular disease	Natural	M	58	W	7.7	6.2	8.6, 6.9	N	Y	Y	N	N	N	105	0.02023	-0.0261	0.00422	-0.0429	0.00247	DLPFC, ACC
1222	Schiz	Undifferentiated schizophrenia; AAC	"pure" SCZ	Combined drug overdose	Suicide	M	32	W	30.8	6.4	7.1, 7.5	Y	N	Y	Y	N	N	100	0.02121	0.02965	-0.0016	-0.0054	-0.0135	DLPFC, ACC
1230	Schiz	Schizophrenia, undifferentiated type	"pure" SCZ	Doxepin overdose	Suicide	M	50	W	16.9	6.6	8.5, 8.2	Y	Y	Y	Y	N	N	99	0.02162	0.02673	0.00169	0.01058	0.00907	DLPFC, ACC
1240	Schiz	Undifferentiated schizophrenia; ADR	"pure" SCZ	Cardiovascular disease	Natural	F	50	B	22.9	6.3	7.7, 7.6	N	Y	Y	N	N	N	96	-0.0848	0.00086	0.02192	-0.0037	-0.0185	DLPFC, ACC
1256	Schiz	Undifferentiated Schizophrenia	"pure" SCZ	Asphyxiation	Suicide	M	34	W	27.4	6.4	8.3, 8.1	Y	N	Y	N	N	N	94	0.02116	0.03127	-0.0024	0.00456	0.01584	DLPFC, ACC
1263	Schiz	Undifferentiated schizophrenia; ADR	"pure" SCZ	Asphyxiation	Accidental	M	62	W	22.7	7.1	8.9, 8.0	N	Y	Y	Y	N	N	94	0.02098	0.02579	0.00229	0.00191	0.031	DLPFC, ACC
1314	Schiz	Undifferentiated schizophrenia	"pure" SCZ	Cardiovascular disease	Natural	M	50	W	11.0	6.2	8.9, 7.9	N	N	Y	Y	N	N	85	0.02074	0.0371	0.00481	0.00617	0.01956	DLPFC, ACC
1453	Schiz	Schizophrenia, paranoid type; ADR	"pure" SCZ	Blunt force trauma	Accidental	M	62	W	11.1	6.4	8.6, 8.2	N	Y	Y	N	Y	N	60	0.0223	0.03005	0.00517	-0.0189	-0.0149	DLPFC, ACC
1454	Schiz	Schizophrenia, paranoid type; AAR; ODC	"pure" SCZ	Blunt force trauma	Accidental	M	59	W	24.1	6.1	8.0	N	Y	Y	Y	N	N	60	0.02138	0.01662	0.00487	0.00206	-0.0074	DLPFC
1455	Schiz	Schizophrenia, paranoid type; AAR; OAC	"pure" SCZ	Peritonitis	Natural	M	42	W	8.2	6.4	8.6, 7.9	N	Y	Y	Y	Y	N	60	0.02152	0.03311	0.00163	-0.0229	0.00542	DLPFC, ACC
1542	Schiz	Schizophrenia, paranoid type	"pure" SCZ	Combined drug overdose	Undetermined	M	65	W	17.4	6.7	8.3, 8.2	N	Y	Y	Y	Y	N	43	0.02156	0.03173	0.00202	-0.0057	-0.0019	DLPFC, ACC
1581	Schiz	Schizophrenia, paranoid type; ODC; OAC	"pure" SCZ	Cardiovascular disease	Natural	M	32	W	18.4	6.8	8.6, 7.8	N	Y	Y	Y	N	N	36	0.02052	0.02583	0.00534	0.02348	0.00403	DLPFC, ACC
1649	Schiz	Schizophrenia, undifferentiated type	"pure" SCZ	Asphyxiation	Suicide	M	17	B	21.4	6.9	8.6, 7.9	Y	N	Y	Y	N	N	26	-0.0843	0.00091	0.02651	-0.0005	-0.0081	DLPFC, ACC
1686	Schiz	Schizophrenia, paranoid type; AAR	"pure" SCZ	Cardiovascular disease	Natural	M	56	B	14.1	6.2	8.9, 8.1	N	Y	Y	Y	Y	N	19	-0.0862	0.00099	0.02885	-0.0016	-0.0023	DLPFC, ACC
1691	Schiz	Schizophrenia, paranoid type; ADR; ODC	"pure" SCZ	Combined drug overdose	Accidental	M	51	W	31.9	6.6	6.2, 6.1	N	Y	Y	N	Y	Y	18	0.02077	0.03457	-0.0026	-0.0118	-0.0052	DLPFC, ACC
1734	Schiz	Schizophrenia, undifferentiated type; AAR; ODC; OAR	"pure" SCZ	Pneumonia	Natural	M	54	W	28.6	6.1	8.4, 6.8	N	Y	Y	N	N	N	9	0.02136	0.03543	0.00218	-0.0396	0.0254	DLPFC, ACC
10020	Schiz	Paranoid schizophrenia; AAC; OAC	"pure" SCZ	Salicylate overdose	Suicide	M	38	W	28.8	6.6	8.3, 7.1	Y	Y	Y	Y	Y	N	96	0.02137	0.0307	0.00131	0.01283	-0.0175	DLPFC, ACC
10023	Schiz	Disorganized schizophrenia	"pure" SCZ	Drowning	Suicide	F	25	B	20.1	6.7	7.6, 7	Y	N	Y	N	Y	N	95	-0.0817	0.00096	0.02135	-0.0012	0.00355	DLPFC, ACC
10024	Schiz	Paranoid schizophrenia	"pure" SCZ	Cardiovascular disease	Natural	M	37	B	6.0	6.1	7.3, 6.9	N	N	N	N	N	N	95	-0.0862	0.00078	0.02611	0.00515	0.00651	DLPFC, ACC

10025	Schiz	Disorganized schizophrenia; OAR	"pure" SCZ	Cardiovascular disease	Natural	M	52	B	27.1	6.7	7.9, 8.0	N	Y	N	N	N	N	94	-0.0836	0.00095	0.02879	-0.0036	0.00424	DLPFC, ACC
10026	Schiz	Schizophrenia, undifferentiated type	"pure" SCZ	Thermal injuries	Suicide	F	46	W	23.8	6.6	8.5, 7.4	Y	Y	Y	Y	N	N	95	0.02133	0.03387	0.00399	-0.0028	0.0035	DLPFC, ACC
537	Schiz	Schizoaffective disorder	SA	Asphyxiation	Suicide	F	37	W	14.5	6.7	8.0	Y	U	N	N	N	N	207	0.02175	0.02727	-0.0009	0.02662	-0.012	ACC
539	Schiz	Schizoaffective disorder; ADR	SA	Combined drug overdose	Suicide	M	50	W	40.5	7.1	8.0	Y	U	Y	Y	Y	N	207	0.02103	0.02861	-0.0041	-0.0139	-0.008	DLPFC
547	Schiz	Schizoaffective disorder	SA	Heat Stroke	Accidental	M	27	B	16.5	7.0	8.0, 7.7	N	Y	Y	Y	Y	Y	207	-0.081	0.00074	0.01799	0.00311	-0.0067	DLPFC, ACC
656	Schiz	Schizoaffective disorder; ADC	SA	Gunshot wound	Suicide	F	47	B	20.1	7.3	8.7, 7.7	Y	Y	Y	N	N	N	190	-0.0749	0.00093	0.03066	-0.0032	-0.0311	DLPFC, ACC
781	Schiz	Schizoaffective disorder; ADR	SA	Peritonitis	Natural	M	52	B	8.0	6.7	7.2, 6.1	N	Y	Y	Y	N	N	170	-0.0849	0.00075	0.02168	-0.0001	0.00115	DLPFC, ACC
787	Schiz	Schizoaffective disorder; ODC	SA	Gunshot wound	Suicide	M	27	B	19.2	6.7	7.5, 7.6	Y	N	Y	N	N	N	168	-0.085	0.00087	0.02261	-0.0039	0.00049	DLPFC, ACC
802	Schiz	Schizoaffective disorder; ADC; ODR	SA	Cardiovascular disease	Natural	F	63	W	29.0	6.4	8.5, 8.1	N	Y	Y	N	Y	N	166	0.02065	0.01479	-0.0032	-0.0208	-0.0491	DLPFC, ACC
829	Schiz	Schizoaffective disorder; ADC; OAR	SA	Salicylate overdose	Suicide	M	25	W	5.0	6.8	8.6, 8.6	Y	Y	N	N	Y	N	160	0.0207	-0.002	0.00618	0.02358	-0.0086	DLPFC, ACC
904	Schiz	Schizoaffective Disorder	SA	Pneumonia	Natural	M	33	W	28.0	6.2	6.7, 6.4	N	Y	Y	N	Y	N	147	0.02039	0.01858	0.00221	0.03459	0.02769	DLPFC, ACC
1105	Schiz	Schizoaffective disorder	SA	Cardiovascular disease	Natural	M	53	W	7.9	6.2	9.1, 8.0	N	Y	Y	N	N	N	113	0.02056	0.00633	0.00454	0.04982	0.01639	DLPFC, ACC
1178	Schiz	Schizoaffective disorder	SA	Pulmonary embolism	Natural	F	37	B	18.9	6.1	8.9, 8.1	N	Y	Y	N	Y	N	106	-0.0821	0.00086	0.02636	-0.0013	-0.0171	DLPFC, ACC
1189	Schiz	Schizoaffective disorder; AAR	SA	Combined drug overdose	Suicide	F	47	W	14.4	6.4	7.9, 8.0	Y	Y	Y	Y	Y	N	104	0.02184	0.02982	0.00493	0.01074	0.00004	DLPFC, ACC
1209	Schiz	Schizoaffective disorder	SA	Diphenhydramine overdose	Suicide	M	35	W	9.1	6.5	9.6, 8.2	Y	N	Y	N	N	N	102	0.02096	0.02148	0.00667	-0.0167	0.01842	DLPFC, ACC
1211	Schiz	Schizoaffective disorder	SA	Cardiovascular disease	Natural	F	41	W	20.1	6.3	9.0, 8.3	N	Y	Y	Y	N	N	102	0.02238	0.02169	0.00398	0.01528	0.0043	DLPFC, ACC
1341	Schiz	Schizoaffective Disorder; ODC	SA	Penetrating force trauma	Accidental	F	44	W	24.5	6.6	8.3, 7.3	N	N	Y	N	Y	N	80	0.02167	0.02778	0.00508	0.00215	-0.0103	DLPFC, ACC
1361	Schiz	Schizoaffective disorder; ODC	SA	Cardiomyopathy	Natural	M	63	W	23.2	6.4	8.6, 8.4	N	Y	Y	N	Y	N	77	0.02136	0.03142	0.00047	0.00728	-0.0366	DLPFC, ACC
1367	Schiz	Schizoaffective Disorder; ADC; ODR	SA	Combined drug overdose	Accidental	M	47	W	28.9	6.6	7.5, 7.3	N	N	N	N	N	N	77	0.02194	0.02355	0.00619	-0.0053	0.00888	DLPFC, ACC
1420	Schiz	Schizoaffective Disorder; AAR; ODC; OAR	SA	Blunt force trauma	Suicide	M	47	W	23.4	6.8	8.2, 7.9	Y	Y	Y	Y	N	N	66	0.02122	0.03742	0.00265	-0.0341	0.01222	DLPFC, ACC

1474	Schiz	Schizoaffective Disorder; ADR	SA	Asphyxiation	Suicide	M	37	W	39.9	6.7	8.1, 7.8	Y	N	N	N	N	N	57	0.02166	0.03757	0.00121	-0.0171	-0.006	DLPFC, ACC
1506	Schiz	Schizoaffective Disorder; ADC	SA	Combined drug overdose	Accidental	F	47	W	14.1	6.6	7.2, 7.1	N	Y	Y	Y	N	N	51	0.02088	0.02197	-0.0013	0.00476	-0.0089	DLPFC, ACC
1579	Schiz	Schizoaffective Disorder; ADR; ODC	SA	Cardiovascular disease	Natural	F	69	W	16.1	6.7	8.2, 7.3	N	Y	Y	N	Y	N	36	0.02127	-0.0024	0.00229	0.05393	0.0008	DLPFC, ACC
1706	Schiz	Schizoaffective Disorder; AAR; ODC; OAR	SA	Sepsis	Natural	M	60	B	28.1	6.8	8.4, 8.0	N	Y	Y	N	N	N	14	-0.0853	0.00081	0.02218	0.00399	0.00534	DLPFC, ACC
1712	Schiz	Schizoaffective Disorder; ADR; ODC	SA	Cardiovascular disease	Natural	M	63	W	15.1	6.2	7.9, 5.6	N	N	Y	Y	Y	N	13	0.02037	-0.0053	-0.0014	-0.019	0.00613	DLPFC, ACC
697	Bipolar	Bipolar I +P	BP+P	Exsanguination	Suicide	M	39	W	24.2	6.6	8.1, 6.7	Y	U	N	N	Y	N	190	0.02152	0.0294	0.00376	0.00396	0.00874	DLPFC, ACC
984	Bipolar	Bipolar I +P	BP+P	Combined drug overdose	Accidental	F	42	W	31.2	6.5	7.2	N	Y	Y	Y	N	Y	136	0.02189	0.02642	0.00297	-0.018	-0.0121	DLPFC
1020	Bipolar	Bipolar I +P; ADC; ODC	BP+P	Combined drug overdose	Accidental	M	42	W	12.5	6.7	8.6, 7.8	N	Y	N	Y	Y	N	131	0.02086	0.0424	-0.0049	-0.0343	-0.0278	DLPFC, ACC
1044	Bipolar	Bipolar I +P	BP+P	Cardiovascular disease	Natural	F	56	W	24.5	6.1	7.5, 6.6	N	N	N	Y	Y	N	127	0.02139	0.01301	0.00699	-0.0142	-0.0248	DLPFC, ACC
1048	Bipolar	Bipolar I +P	BP+P	Asphyxiation	Suicide	F	51	W	21.5	6.7	7.9, 8.6	Y	Y	N	Y	N	N	126	0.02036	0.00449	0.00288	0.02195	-0.0009	DLPFC, ACC
1121	Bipolar	Bipolar I +P; ADR	BP+P	Pulmonary embolism	Natural	M	40	W	18.5	6.4	9.1, 7.8	N	N	Y	N	Y	N	116	0.0159	0.01715	-0.0238	0.01081	0.03703	DLPFC, ACC
1130	Bipolar	Bipolar I +P; AAR	BP+P	Esophageal cancer	Natural	M	65	W	8.9	6.7	7.5, 8.1	N	U	Y	Y	Y	N	115	0.02119	0.02283	-0.0009	0.01424	0.01924	DLPFC, ACC
1180	Bipolar	Bipolar I +P	BP+P	Blunt force trauma	Suicide	F	28	W	22.3	6.3	8.4, 7.5	Y	N	N	Y	N	N	111	0.02118	0.03429	0.00125	-0.0383	0.00614	DLPFC, ACC
1181	Bipolar	Bipolar I +P; ODC; OAR	BP+P	Morphine overdose	Accidental	M	28	W	27.4	6.2	8.5, 7.0	N	Y	N	Y	Y	N	111	0.02154	0.03256	0.00585	-0.0112	-0.0072	DLPFC, ACC
1244	Bipolar	Bipolar I +P; AAR; ODC; OAC	BP+P	Asphyxiation	Accidental	M	52	W	23.5	6.7	8.6, 7.6	N	Y	Y	Y	Y	N	101	0.02102	0.03259	0.00659	-0.0334	-0.0059	DLPFC, ACC
10006	Bipolar	Bipolar I +P; ADR	BP+P	Gunshot wound	Suicide	F	55	W	17.5	6.4	7.8, 7.8	Y	Y	N	N	N	N	107	0.02153	0.03459	-0.0033	-0.0178	0.02199	DLPFC, ACC
716	Bipolar	Bipolar I; ADC; OAC	BP-P	Gunshot wound	Suicide	M	58	W	27.7	6.8	7.8, 7.6	Y	U	N	N	N	N	186	0.02201	0.02697	0.0081	-0.0097	0.01403	DLPFC, ACC
849	Bipolar	Bipolar II	BP-P	Alprazolam overdose	Suicide	M	52	W	22.1	7.3	7.7, 7.1	Y	N	N	N	Y	N	163	0.0198	-0.0041	0.00262	0.07023	-0.0052	DLPFC, ACC
886	Bipolar	Bipolar I; ADC	BP-P	Gunshot wound	Suicide	M	45	W	27.2	7.1	8.4, 7.0	Y	Y	N	N	N	N	155	0.02114	0.02538	0.00368	-0.0052	0.01764	DLPFC, ACC
945	Bipolar	Bipolar I; AAC	BP-P	Asphyxiation	Suicide	F	43	W	31.9	6.7	7.8, 7.0	Y	Y	Y	Y	Y	N	142	0.01904	-0.0743	0.00942	-0.0652	0.02532	DLPFC, ACC



957	Bipolar	Bipolar I	BP-P	Drowning	Suicide	F	39	W	22.2	6.7	8.6	Y	U	N	Y	N	N	139	0.02102	0.02444	-0.0023	-0.0404	-0.0148	DLPFC
982	Bipolar	Bipolar II; ADR	BP-P	Smoke inhalation	Accidental	M	79	W	31.1	6.7	8.4, 7.1	N	Y	N	Y	Y	N	138	0.02033	0.01479	0.00098	0.02082	0.02201	DLPFC, ACC
1069	Bipolar	Bipolar I; AAR	BP-P	Cardiovascular disease	Natural	M	48	W	18.1	6.9	8.4, 8.2	N	N	N	N	N	N	123	0.0214	0.0282	0.00476	-0.01	0.02087	DLPFC, ACC
1102	Bipolar	Bipolar NOS; ADR; ODC; OAC; OAR	BP-P	Cardiovascular disease	Natural	M	50	W	12.1	6.7	8.3, 7.2	N	Y	N	Y	Y	N	119	0.02116	0.01131	0.00654	0.02866	0.00972	DLPFC, ACC
1207	Bipolar	Bipolar NOS; ADC; ODC	BP-P	Cardiovascular disease	Natural	M	48	W	18.0	6.4	9.2, 8.1	N	U	Y	Y	Y	N	109	0.02108	0.03338	-0.0034	-0.002	0.01331	DLPFC, ACC
1328	Bipolar	Bipolar NOS	BP-P	Cardiovascular disease	Natural	F	49	W	21.5	6.7	8.4, 8.2	N	N	N	Y	Y	Y	87	0.02115	0.02952	-0.0008	-0.022	0.01749	DLPFC, ACC
1449	Bipolar	Bipolar II	BP-P	Cardiovascular disease	Natural	F	57	W	19.1	6.4	7.9, 7.5	N	Y	N	Y	N	N	68	0.02187	0.03511	0.00421	-0.0249	0.01234	DLPFC, ACC
1461	Bipolar	Bipolar I; AAR	BP-P	Cardiovascular disease	Natural	M	57	W	7.6	6.8	8.3	N	N	Y	Y	N	N	66	0.02162	0.0285	0.00248	-0.011	0.00199	DLPFC
1473	Bipolar	Bipolar II; AAC	BP-P	Electrocution	Accidental	M	51	W	22.3	6.6	8.3, 8.3	N	U	N	Y	N	N	64	0.02003	-0.0052	0.00169	0.01655	-0.0225	DLPFC, ACC
1483	Bipolar	Bipolar II; ADC; OAC	BP-P	Chronic alcoholism	Natural	F	56	W	5.8	6.0	7.5, 6.1	N	N	N	N	N	N	62	0.02142	0.02537	0.00289	-0.0246	-0.0061	DLPFC, ACC
1537	Bipolar	Bipolar II; ADR	BP-P	Pulmonary emboli	Natural	F	52	W	21.1	6.8	8.4, 8.3	N	Y	N	Y	Y	N	51	0.02069	0.02542	-0.0006	-0.0029	-0.0104	DLPFC, ACC
1565	Bipolar	Bipolar NOS; ADC	BP-P	Cardiovascular disease	Natural	M	45	W	27.6	6.8	8.4, 8.1	N	Y	Y	Y	N	N	46	0.02127	0.02917	0.00199	-0.0323	0.00968	DLPFC, ACC
1573	Bipolar	Bipolar II	BP-P	Status asthmaticus	Natural	F	27	W	11.2	6.7	8.8, 8.9	N	N	N	N	N	N	45	0.02161	0.02421	0.00067	-0.0153	0.02653	DLPFC, ACC
1584	Bipolar	Bipolar I; ODC; ODR	BP-P	Oxymorphone overdose	Suicide	M	46	W	16.6	6.8	7.7, 5.8	Y	Y	N	Y	Y	Y	43	0.0216	0.03223	0.00761	-0.0015	0.00502	DLPFC, ACC
1589	Bipolar	Bipolar NOS; ADC; ODC; OAC	BP-P	Combined drug overdose	Accidental	F	25	W	27.6	6.1	6.7, 5.7	N	Y	Y	Y	N	N	42	0.0205	0.02027	0.00122	0.02699	0.00912	DLPFC, ACC
1603	Bipolar	Bipolar I; ADC; ODC	BP-P	Asphyxiation	Suicide	M	31	W	12.0	6.8	8.9, 8.8	Y	Y	N	Y	N	N	40	0.02168	0.02112	0.00425	0.0517	0.00069	DLPFC, ACC
1632	Bipolar	Bipolar II; ODC	BP-P	Undetermined	Undetermined	F	31	B	19.1	6.6	8.4, 7.8	U	N	N	N	N	N	35	-0.0823	0.00074	0.02105	0.0017	-0.0163	DLPFC, ACC
1695	Bipolar	Bipolar I; ADR; ODC; OAR	BP-P	Combined drug overdose	Accidental	M	33	W	29.1	6.8	8.7, 6.7	N	Y	Y	N	Y	N	24	0.02088	0.02633	0.00561	0.00166	0.01109	DLPFC, ACC
10004	Bipolar	Bipolar I; ODC	BP-P	Combined drug overdose	Accidental	F	50	W	11.7	6.4	8.4, 8.5	N	U	Y	N	N	N	108	0.02145	0.03044	0.00762	-0.013	0.00688	DLPFC, ACC
10014	Bipolar	Bipolar NOS; ADC; ODC	BP-P	Gunshot wound	Suicide	M	24	W	23.1	6.1	8.6, 7.6	Y	Y	N	N	N	N	108	0.02167	0.03029	0.00708	-0.0127	0.00593	DLPFC, ACC

Header abbreviations: DX, diagnostic category; DSM DX, Diagnostic Statistical Manual IV diagnosis; 2' DX, diagnosis based on symptom stratification; PMI, postmortem interval (hours); RIN, RNA integrity number (first value is from DLPFC if both brain regions were use); Smoke, tobacco use at time of death; APD, antipsychotic drugs at time of death; AD, antidepressants at time of death; Benz/VPA- benzodiazapine/valproic acid at time of death; Lithium-lithium at time of death; Storage time (months) at -80C; A1-A5- genetic ancestry related components; QC/PCA, RNAseq quality control/principal component analysis

Other abbreviations: ATOD, at time of death; ADC, alcohol dependence, current at time of death; ADR, alcohol dependence, in remission at time of death; AAC, alcohol abuse, current at time of death; AAR, alcohol abuse, in remission at time of death; ODC, other substance dependence, current at time of death; ODR, other substance dependence, in remission at time of death; OAC, other substance abuse, current at time of death; OAR, other substance abuse, in remission at time of death; U, unknown