

## SUPPLEMENTARY.

**Table S1. Brain donors' information**

Brain ID	Diagnosis	Sex	Age	RIN	LC-MS	MALDI	RNAseq
HA	healthy	m	62	7.7	×		×
HB	healthy	f	61	6.7	×		×
HC	healthy	f	34	7.1	×		×
HD	healthy	m	34	8.8	×		×
SZ01	schizophrenia (F20.0)	m	36	7.6	×		×
SZ02	schizophrenia (F20.0)	m	74	7.0	×		×
SZ03	schizophrenia (F20.0)	f	57	7.7	×		×
SZ05	schizophrenia (F20.0)	f	62	7.8	×		×
HC-29	healthy	f	60			×	
HC-318	healthy	m	58			×	
HC-31	healthy	m	60			×	
SZ-06	schizophrenia (F20.0)	f	62			×	
SZ-07	schizophrenia (F20.0)	m	69			×	
SZ-09	schizophrenia (F20.0)	m	57			×	

Note: HC — healthy controls, LC-MS — liquid chromatography mass spectrometry, MALDI — matrix-assisted laser desorption/ionization imaging, RIN — ribonucleic acid integrity number, RNAseq — sequencing of ribonucleic acid, SZ — schizophrenia.