

Supplemental Information

Table S1. Demographic data of subjects.

	Sex	Age	pH	PMI	RIN
Comparison Group (<i>n</i> = 20)	Male	58	6.58	7.00	
	Male	93	6.60	4.17	6.50
	Male	59	6.61	20.42	8.30
	Male	64	6.69	23.75	7.10
	Male	68	6.55	2.75	7.20
	Male	65	6.82	3.83	6.90
	Male	69	6.67	7.42	8.40
	Male	73	6.17	14.92	4.10
	Male	75	6.43	5.00	7.70
	Female	82	6.50	5.67	7.00
	Female	80	6.20	4.75	7.00
	Female	85	6.30	4.33	7.80
	Female	73	6.30	3.38	8.10
	Female	89	6.72	2.33	7.80
	Female	82	6.31	29.00	7.90
	Female	79	6.38	10.08	7.50
	Female	80	6.63	3.83	5.30
	Female	78	6.97	16.00	6.90
	Female	62	6.63	7.00	7.00
	Female	74	6.32	4.75	6.10
	Mean	74.4	6.52	9.02	7.08
	SD	9.8	0.21	7.68	1.05
Schizophrenia (<i>n</i> = 14)	Male	84	7.00	5.25	8.20
	Male	66	6.50	12.08	7.30
	Male	92	6.67	26.03	7.40
	Male	76	6.70	16.58	7.50
	Male	84	6.71	17.73	7.10
	Male	82	6.74	11.38	5.50
	Male	70	6.35	7.17	6.30
	Male	73	6.30	11.68	6.70
	Male	57	6.50	32.33	8.90
	Male	97	6.50	25.92	5.50
	Female	71	6.60	5.50	7.10
	Female	89	6.20	9.63	7.20
	Female	86	6.56	18.20	6.90
	Female	81	6.47	15.08	6.90
	Mean	79.1	6.56	15.33	7.04
	SD	10.9	0.20	8.17	0.91

PMI, postmortem interval in hours; Age refers to age at death of the subject in years; RIN, RNA integrity number; SD, standard deviation.

Table S2. Gene expression assays tested in postmortem tissue.

Protein	Gene	Assay
GLUR1, GLUA1	glutamate receptor, ionotropic, AMPA 1	Hs00181348_m1
GLUR2, GLUA2	glutamate receptor, ionotropic, AMPA 2	Hs00181331_m1
GLUR3, GLUA3	glutamate receptor, ionotropic, AMPA 3	Hs00241485_m1
GLUR4, GLUA4	glutamate receptor, ionotropic, AMPA 4	Hs00898778_m1
GLUR5, GLUK1	glutamate receptor, ionotropic, kainate 1	Hs00168165_m1
GLUR6, GLUK2	glutamate receptor, ionotropic, kainate 2	Hs00222637_m1
GLUR7, GLUK3	glutamate receptor, ionotropic, kainate 3	Hs00168182_m1
KA1, GLUK4	glutamate receptor, ionotropic, kainate 4	Hs00205979_m1
KA2, GLUK5	glutamate receptor, ionotropic, kainate 5	Hs00361590_m1
NR1, GLUN1	glutamate receptor, ionotropic, NMDA 1	Hs00609557_m1
NR2A, GLUN2A	glutamate receptor, ionotropic, NMDA 2A	Hs01058345_m1
NR2B, GLUN2B	glutamate receptor, ionotropic, NMDA 2B	Hs00168230_m1
NR2C, GLUN2C	glutamate receptor, ionotropic, NMDA 2C	Hs01016626_m1
NR2D, GLUN2D	glutamate receptor, ionotropic, NMDA 2D	Hs00181352_m1
NR3A, GLUN3A	glutamate receptor, ionotropic, NMDA 3A	Hs00370290_m1
mGluR1	glutamate receptor, metabotropic 1	Hs00168250_m1
mGluR2	glutamate receptor, metabotropic 2	Hs00356062_m1
mGluR3	glutamate receptor, metabotropic 3	Hs00168260_m1
mGluR4	glutamate receptor, metabotropic 4	Hs00168265_m1
mGluR5	glutamate receptor, metabotropic 5	Hs00168275_m1
mGluR6	glutamate receptor, metabotropic 6	Hs00968692_m1
mGluR7	glutamate receptor, metabotropic 7	Hs00356067_m1
mGluR8	glutamate receptor, metabotropic 8	Hs00168299_m1
HOMER1	homer homolog 1 (Drosophila)	Hs00188676_m1
HOMER2	homer homolog 2 (Drosophila)	Hs00191454_m1
HOMER3	homer homolog 3 (Drosophila)	Hs00191446_m1
shank	SH3 and multiple ankyrin repeat domains 2	Hs00373170_m1
SAP97	discs, large homolog 1 (Drosophila)	Hs00938204_m1
SAP102	synapse associated protein 102	Hs00221664_m1
PSD95/ SAP90/ GKAP	postsynaptic density protein 95	Hs00176354_m1
PICK1	protein interacting with PRKCA 1	Hs00202661_m1
GRIP1	glutamate receptor interacting protein 1	Hs00402711_m1
NF-L	neurofilament, light polypeptide 68kDa	Hs00196245_m1
SYNGAP1	synaptic Ras GTPase activating protein 1	Hs00405348_m1
Stargazin	calcium channel, voltage-dependent, γ subunit 2	Hs00196045_m1
ACTB	Beta-actin	Hs 9999903_m1
B2M	beta-2-microglobulin	Hs 9999907_m1
GAPDH	glyceraldehyde-3-phosphate dehydrogenase	Hs 9991905_m1
SLC17A6	vesicular glutamate transporter 2 (VGLUT2)	Hs00220449_m1
ENO2	Neuron specific enolase (NSE)	Hs 0157360_m1
GFAP	glial fibrillary acidic protein	Hs 0157674_m1
GAD67	glutamate decarboxylase 1 (brain, 67kDa) GAD1	Hs 0241471_m1