Additional File 3. Pearson's correlation analyses for possible relationships between gene expression levels in BA24 astrocytes and age, RNA quality (RIN) and postmortem interval (PMI).

Gene[a] (protein[b])	Statistic	Age	RIN	PMI
RNA18S / GAPDH[c]	Pearson Correlation	.074	.119	.443
	Sig. (2-tailed)	.786	.662	.085
	N	16	16	16
GRIN1 (NR1)	Pearson Correlation	.092	.133	-.003
	Sig. (2-tailed)	.736	.624	.991
	N	16	16	16
GRIN2A (NR2A)	Pearson Correlation	.282	.516	-.116
	Sig. (2-tailed)	.290	.041	.670
	N	16	16	16
GRIN2B (NR2B)	Pearson Correlation	.523	.520	-.060
	Sig. (2-tailed)	.038	.039	.826
	N	16	16	16
GRIN2D (NR2D)	Pearson Correlation	.547	.395	.227
	Sig. (2-tailed)	.028	.130	.398
	N	16	16	16
GRIA1 (GluR-1)	Pearson Correlation	-.046	.490	.009
	Sig. (2-tailed)	.865	.054	.975
	N	16	16	16
GRM5 (mGluR5)	Pearson Correlation	.577	.328	.112
	Sig. (2-tailed)	.019	.216	.679
	N	16	16	16
SLC1A3 (EAAT1)	Pearson Correlation	-.340	-.238	-.344
	Sig. (2-tailed)	.197	.375	.192
	N	16	16	16
SLC1A2 (EAAT2)	Pearson Correlation	-.101	.023	-.186
	Sig. (2-tailed)	.711	.932	.491
	N	16	16	16
SLC17A7 (vGlut1)	Pearson Correlation	-.470	.214	-.655[d]
	Sig. (2-tailed)	.066	.426	.006
	N	16	16	16
GRIP1 (GRIP1)	Pearson Correlation	-.086	-.146	.378
	Sig. (2-tailed)	.751	.590	.149
	N	16	16	16
BDNF (BDNF)	Pearson Correlation	.479	-.153	.492
	Sig. (2-tailed)	.060	.571	.053
	N	16	16	16
NTRK2 (NTRK2, TrkB)	Pearson Correlation	.711[d]	.123	.187
	Sig. (2-tailed)	.002	.649	.488
	N	16	16	16

[a] Derived from the HUGO gene nomenclature committee responsible for designating unique gene names (Wain et al., 2002).

[b] Official protein nomenclature showing both the recommended and alternative protein names (Uniprot, 2008).

[c] Ratio of the two reference genes; all other expression data are normalized to the average of these two reference genes.

[d] Correlation is significant at $p<0.01$ (2-tailed).