

Additional File 4. Pearson's correlation analyses for possible relationships between gene expression levels in BA10 neurons and age, RNA quality (RIN) and postmortem interval (PMI).

Gene ^a (protein ^b)	Statistic	Age	RIN	PMI
<i>RNA18S1 / GAPDH</i> ^c	Pearson Correlation	-.122	-.407	.002
	Sig. (2-tailed)	.653	.148	.995
	N	16	14	14
<i>GRIN1</i> (NR2A)	Pearson Correlation	.114	.415	.059
	Sig. (2-tailed)	.675	.140	.841
	N	16	14	14
<i>GRM5</i> (mGluR5)	Pearson Correlation	.328	.228	.088
	Sig. (2-tailed)	.215	.432	.765
	N	16	16	14
<i>SLC1A1</i> (EAAT3)	Pearson Correlation	-.105	.659	.282
	Sig. (2-tailed)	.722	.020	.374
	N	14	12	12
<i>NTRK2</i> (NTRK2, TrkB)	Pearson Correlation	-.234	.537	-.094
	Sig. (2-tailed)	.420	.072	.773
	N	14	12	12

^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.