

**Supplementary Table 3. Brain Sample Characteristics for Rett Syndrome (RTT) patients and controls.**

<b>NIH NeurobaioBank Sample Number #</b>	<b><i>MECP2</i> Mutation</b>	<b>Known Disease</b>	<b>Age (Y.D)</b>	<b>PMI</b>	<b>Storage (Y.D) (Prior arriving to our lab)</b>	<b>Cause of Death (When known)</b>
NA/organ donation	T158M	Rett Syndrome	>12	< 6 h	Less than two weeks	Respiratory failure
NIH # 4516	R255X	Rett Syndrome	20.356	9h	11.360	Natural
NIH # 4882	R255X	Rett Syndrome	17.310	18 h	9.131	Complication of Disorder
NIH # 4852	G451T	Rett Syndrome	19.280	13h	9.357	Seizures
NA/provided by Dr. Marc Del Bigio (co-author)	Control	Unaffected	14	24 h	2 weeks	Hanging
1347	Control	Unaffected	19.76	16h	14.336	Accidental-multiple injuries
5646	Control	Acute reactive airway disease	20.163	23h	2.308	Medical
5446	Control	Reactive airway disease	17.117	18h	4.58	Natural cause

PMI: Post-mortem interval

Y.D: Year.Day