

**Supplemental Table 1.** Estimated regression coefficients are shown, with standard error estimates below. Significant sex differences, after multiple comparisons correction, were observed in 10 regions, but not in global tauopathy. For all regional differences, males had decreased tau burden as compared to females.

Tau Differs Between Males and Females										
<i>Dependent variable:</i>										
	Cuneus	Frontal Pole	Lateral Occipital	Middle Temporal	Pars Orbitalis	Pars Triangularis	Rostral Middle Frontal	Superior Temporal	Temporal Pole	Global Summary
Cortical Amyloid	0.036 (0.03)	0.059 (0.09)	0.118 (0.04)	0.174*** (0.03)	0.053 (0.05)	0.017 (0.05)	0.001 (0.05)	0.108 (0.04)	0.095 (0.05)	0.224*** (0.03)
Age	0.004 (0.00)	-0.004 (0.00)	0.006* (0.00)	0.002 (0.00)	-0.002 (0.00)	0.002 (0.00)	0.002 (0.00)	-0.0002 (0.00)	-0.0003 (0.00)	0.005* (0.00)
Sex - Male	-0.083* (0.03)	-0.430*** (0.07)	-0.140*** (0.03)	-0.086* (0.03)	-0.188*** (0.04)	-0.149** (0.04)	-0.210*** (0.04)	-0.105* (0.03)	-0.123* (0.04)	-0.06 (0.02)
APOEε4+	-0.013 (0.03)	0.025 (0.09)	0.019 (0.04)	-0.009 (0.03)	0.005 (0.05)	-0.013 (0.05)	0.015 (0.05)	-0.016 (0.04)	0.039 (0.05)	0.006 (0.03)
Education	-0.002 (0.00)	0.01 (0.01)	-0.004 (0.01)	0.0002 (0.00)	-0.007 (0.01)	0.005 (0.01)	0.008 (0.01)	0.003 (0.01)	0.0002 (0.01)	0.002 (0.00)
Male:APOEε4+	0.048 (0.04)	0.191 (0.12)	-0.03 (0.06)	0.004 (0.05)	0.034 (0.07)	0.004 (0.07)	0.01 (0.07)	0.044 (0.05)	-0.026 (0.07)	-0.007 (0.04)
Intercept	-0.014 (0.13)	0.148 (0.36)	-0.129 (0.16)	0.067 (0.13)	0.508 (0.19)	0.027 (0.19)	-0.174 (0.21)	0.049 (0.15)	0.073 (0.19)	-0.237 (0.12)
Observations	132	132	132	132	132	132	132	132	132	132
R <sup>2</sup>	0.164	0.28	0.323	0.325	0.225	0.171	0.24	0.171	0.163	0.468
Adjusted R <sup>2</sup>	0.124	0.245	0.29	0.293	0.188	0.131	0.204	0.131	0.123	0.443
F Statistic (df = 6; 125)	4.093*	8.094***	9.929***	10.053***	6.039***	4.291*	6.588***	4.289*	4.070*	18.352***
<i>Note: Bonferroni Correction for 35 comparisons</i>					*p<0.05; **p<0.01; ***p<0.001, after correction for multiple comparisons					