

Table S3. Linear regression analysis of hsa-miR-132-3p/-5p and hsa-miR-129-5p on α -synuclein and tau Braak staging in *post-mortem* PD brain samples

MiRNA	Braak staging	Effect estimate (95% CI)	p
hsa-miR-132-3p	α -synuclein	-0.211 (-0.352, -0.071)	3.51E-03*
	tau	-0.113 (-0.255, 0.028)	0.119
hsa-miR-132-5p	α -synuclein	-0.185 (-0.327, -0.043)	0.0117*
	tau	-0.166 (-0.309, -0.024)	0.0235
hsa-miR-129-5p	α -synuclein	-0.077 (-0.230, 0.077)	0.329
	tau	-0.060 (-0.220, 0.100)	0.463

Legend. This table displays the linear regression results of hsa-miR-132-3p/-5p and hsa-miR-129-5p on α -synuclein and tau Braak staging in *post-mortem* brain samples of 202 (α -synuclein) and 212 (tau) PD patients. P-values displayed in bold are at least nominally significant, * denotes p-values showing significant results after Bonferroni correction ($\alpha=0.0125$), also see Methods.