

Supplementary Table 1. Differences of axial diffusivity values in the WM tracts between MDD and HCs

WM tracts	MDD		HC		F value	p
	Mean	SD	Mean	SD		
Forceps major	1.36E-03	3.74E-05	1.37E-03	4.46E-05	0.279	0.598
Forceps minor	1.22E-03	3.60E-05	1.24E-03	4.58E-05	0.905	0.344
L ATR	1.10E-03	3.17E-05	1.10E-03	3.29E-05	0.016	0.899
L CAB	1.09E-03	4.53E-05	1.10E-03	6.74E-05	3.528	0.064
L CCG	1.24E-03	5.19E-05	1.25E-03	6.12E-05	1.035	0.312
L CST	1.20E-03	3.60E-05	1.20E-03	3.39E-05	0.332	0.566
L ILF	1.24E-03	3.88E-05	1.23E-03	3.62E-05	0.559	0.457
L SLFp	1.10E-03	3.53E-05	1.10E-03	3.08E-05	1.016	0.316
L SLFt	1.15E-03	3.24E-05	1.15E-03	3.04E-05	0.604	0.439
L UF	1.17E-03	3.40E-05	1.18E-03	3.29E-05	0.003	0.954
R ATR	1.08E-03	2.94E-05	1.08E-03	3.34E-05	0.056	0.814
R CAB	1.04E-03	5.68E-05	1.09E-03	1.38E-04	5.882	0.017*
R CCG	1.27E-03	5.39E-05	1.25E-03	4.17E-05	1.379	0.244
R CST	1.17E-03	3.08E-05	1.18E-03	4.70E-05	3.692	0.058
R ILF	1.22E-03	4.47E-05	1.23E-03	3.75E-05	1.820	0.181
R SLFp	1.07E-03	3.62E-05	1.08E-03	3.25E-05	0.041	0.840
R SLFt	1.10E-03	3.22E-05	1.10E-03	3.31E-05	0.000	0.983
R UF	1.12E-03	2.77E-05	1.15E-03	6.62E-05	8.039	0.006*

The F and p-values were obtained using one-way analysis of covariance adjusted for age and sex as covariates. The Bonferroni correction was applied in 18 WM tracts: 18 comparisons in both hemispheres, $p < 0.00278$ ($0.05/18$). *denotes WM tracts that remained significant after Bonferroni correction. WM, white matter; MDD, major depressive disorder; HC, healthy control; SD, standard deviation; L, left hemisphere; R, right hemisphere; ATR, anterior thalamic radiation; CAB, cingular-angulum bundle; CCG, cingulum-cingulate gyrus bundle; CST, cortico-spinal tract; ILF, inferior longitudinal fasciculus; SLFp, superior longitudinal fasciculus-parietal terminations; SLFt, superior longitudinal fasciculus-temporal terminations; UF, uncinate fasciculus