

**Supplementary Table 3.** Differences of radial diffusivity values in the WM tracts between MDD and HCs

WM tracts	MDD		HC		F value	p
	Mean	SD	Mean	SD		
Forceps major	4.62E-04	3.18E-05	4.60E-04	4.27E-05	0.427	0.515
Forceps minor	5.49E-04	3.67E-05	5.36E-04	3.88E-05	0.768	0.383
L ATR	5.58E-04	3.61E-05	5.54E-04	3.09E-05	1.076	0.303
L CAB	6.02E-04	5.18E-05	6.09E-04	3.67E-05	3.050	0.084
L CCG	4.66E-04	4.32E-05	4.60E-04	3.62E-05	1.548	0.217
L CST	4.75E-04	3.17E-05	4.75E-04	3.01E-05	1.226	0.271
L ILF	5.65E-04	3.45E-05	5.55E-04	3.55E-05	0.037	0.848
L SLFp	5.67E-04	3.12E-05	5.52E-04	3.62E-05	0.004	0.947
L SLFt	5.51E-04	2.87E-05	5.38E-04	3.37E-05	0.261	0.611
L UF	5.91E-04	3.45E-05	5.80E-04	2.93E-05	1.300	0.257
R ATR	5.55E-04	3.44E-05	5.47E-04	3.58E-05	0.015	0.901
R CAB	5.45E-04	5.64E-05	5.77E-04	6.37E-05	0.040	0.842
R CCG	4.46E-04	3.78E-05	4.52E-04	4.72E-05	1.330	0.252
R CST	4.51E-04	3.38E-05	4.61E-04	3.66E-05	0.026	0.872
R ILF	5.44E-04	3.52E-05	5.44E-04	3.42E-05	0.224	0.637
R SLFp	5.33E-04	3.15E-05	5.29E-04	3.57E-05	0.453	0.503
R SLFt	5.27E-04	2.92E-05	5.23E-04	2.93E-05	0.039	0.844
R UF	5.40E-04	3.88E-05	5.46E-04	4.18E-05	0.185	0.668

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,  $p < 0.00278$  ( $0.05/18$ ). 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, corticospinal tract; ILF, inferior longitudinal fasciculus; SLFp, superior longitudinal fasciculus–parietal terminations; SLFt, superior longitudinal fasciculus–temporal terminations; UF, uncinata fasciculus