

## Polygenic Risk and White Matter Integrity in Individuals at High Risk of Mood Disorder

### Supplemental Information

**Table S1.** Negative association between fractional anisotropy and major depressive disorder polygene score, thresholded at  $p$  corrected (threshold-free cluster enhancement)  $<0.05$ , for polygene thresholds 0.1, 0.05 and 0.01.

<b>Voxels</b>	<b>MAX (x, y, z)</b>	<b>Region</b>
<b>0.1 polygene threshold</b>		
9479	(38, -36, 1)	R ILF, IFOF
257	(36, -16, 26)	R SLF
53	(41, -37, 32)	R SLF
11	(41, -38, 28)	R SLF
<b>0.05 polygene threshold</b>		
35030	(-14, 8, 3)	Corpus callosum, extending to ILF, IFOF and SLF
<b>0.01 polygene threshold</b>		
68	(40, -29, -17)	R ILF
63	(30, 31, 11)	R IFOF
21	(23, 34, 8)	R IFOF

IFOF, inferior fronto-occipital fasciculus; ILF, inferior longitudinal fasciculus; R, right; SLF, superior longitudinal fasciculus.

**Table S2.** Negative association between fractional anisotropy and major depressive disorder polygene score, thresholded at  $p$  corrected (threshold-free cluster enhancement)  $<0.01$  (polygene threshold 0.5).

<b>Voxels</b>	<b>MAX (x, y, z)</b>	<b>Region</b>
5141	(-17, -31, 31)	L splenium of corpus callosum
2789	(30, -48, 27)	R SLF, ILF, IFOF
1975	(39, -37, -3)	R IFOF, ILF
962	(-42, -28, -15)	L sagittal stratum, ILF
147	(20, 37, 20)	R anterior thalamic radiation
102	(-44, -12, -23)	L SLF, ILF
60	(18, -16, 36)	R body of corpus callosum
23	(46, -39, 19)	R SLF
14	(15, -52, 22)	R cingulum
14	(-22, -18, -2)	L posterior limb of internal capsule
14	(-18, -21, -7)	L cerebral peduncle
11	(16, -29, 30)	R body of corpus callosum

IFOF, inferior fronto-occipital fasciculus; ILF, inferior longitudinal fasciculus; L, left; R, right; SLF, superior longitudinal fasciculus.