Appendix 1 to Yang C, Li L, Hu X, Luo Q, Kuang W, Lui S, Huang X, Dai J, He M, Kemp GJ, Sweeney JA, Gong Q. Psychoradiologic abnormalities of white matter in patients with bipolar disorder: diffusion tensor imaging studies using tract-based spatial statistics *J Psychiatry Neurosci* 2018.

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Supplementary Table S1: Imaging Methodology Quality Assessment

Checklist (When criteria were partially met, 0.5 points were assigned)

Category 1: Subjects	**Score** (0/0.5/1)
1 Patients were evaluated prospectively, specific diagnostic criteria were applied, and demographic data was reported	
2 Healthy comparison subjects were evaluated prospectively, psychiatric and medical illnesses were excluded	
3 Important variables (e.g. age, gender, illness duration, onset time, medication status, comorbidity, severity of illness) were checked, either by stratification or statistically	
4 Sample size per group > 10	
Category 2: Methods for image acquisition and analysis	
5 Magnet strength at least 1.5T	
6 MRI slice-thickness≤3 mm	
7 Whole brain analysis was automated with no a-priori regional selection	
8 Coordinates reported in a standard space	
9 The imaging technique used was clearly described so that it could be reproduced	
10 Measurements were clearly described so that they could be reproduced	
Category 3: Results and conclusions	
11 Statistical parameters for significant, and important non-significant, differences were provided	
12 Conclusions were consistent with the results obtained and the limitations were discussed	
	TOTAL /12

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Table S2: Clusters of fractional anisotropy reductions in patients with bipolar disorder relative to healthy controls in the corrected studies

Region	Maximum			Cluster	
	MNI coordinates x, y, z	SDM-Z value	*p* value	No. of voxels	Breakdown (No. of voxel)
Genu of CC	-10,28,16	-1.675	0.000049055	297	CC (275) L anterior thalamic projections (13) L median network, cingulum (8) L striatum (1)
Body of CC	24, 20,36	-1.782	0.000049055	248	CC (157) R SLF II (29) R anterior thalamic projections (16) R pons (14) R SLF III (11) R striatum (10) R cortico-spinal projections (9) R inferior network, inferior fronto-occipital fasciculus (2)

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Body of CC	-18, 32,32	-2.152	~0	140	CC (108) L median network, cingulum (20) L SLF I (12)

Abbreviations: CC, corpus callosum; SLF, superior longitudinal fasciculus; SDM, signed differential mapping; MNI, Montreal Neurological Institute