

**Data supplement 1** Comparison of cortical layer thicknesses between the control group and patient groups, adjusted for gender, fixation time, post-mortem interval and age

Group	Cortical layer	Cortical thickness ( $\mu\text{m}$ ) Mean (s.d.)	t(52)	P
Control	1	267.6 (35.1)		
	2	254.4 (39.2)		
	3	740.2 (66.3)		
	4	353.5 (40.9)		
	5	702 (82.9)		
	6	487.5 (82.1)		
Schizophrenia	1	246.4 (60.5)	-0.54	0.59
	2	248.6 (53)	-0.13	0.9
	3	721.7 (148.8)	-0.53	0.6
	4	356.4 (70.9)	0.18	0.86
	5	724.6 (134.7)	0.08	0.93
	6	476.5 (93.1)	-0.86	0.4
Bipolar disorder	1	246.4 (21.2)	-0.66	0.52
	2	259.7 (30)	0.45	0.66
	3	746.9 (64.2)	-0.08	0.94
	4	363.5 (52.7)	0.34	0.73
	5	708 (108.5)	-0.36	0.72
	6	508 (78)	-0.08	0.94
Major depressive disorder	1	254.4 (25.9)	-0.81	0.42
	2	264.4 (23.5)	0.66	0.51
	3	753.7 (76.7)	0.25	0.8
	4	394.7 (43.3)	2.04	0.047
	5	786.5 (118.5)	1.78	0.08
	6	527.9 (101.3)	0.91	0.37