



**Supplementary Table S1.** The allele frequencies of the *LEPR* polymorphism in controls and BD patients.

<i>LEPR</i>		Healthy controls (n= 77)				BD II patients (n= 130)				HapMap-JPT		
SNP rs#	Allele (major/minor)	HO	HE	WT	HWE	HO	HE	WT	HWE	$p^3$	MAF	$p^4$
		N (%)	N (%)	N (%)	$p^1$	N (%)	N (%)	N (%)	$p^2$			
rs1137100	G/A	0 (0.0)	26 (33.8)	51 (66.2)	0.075	2 (1.5)	44 (33.8)	84 (64.7)	0.157	0.548	0.244	0.147
rs1137101	G/A	1 (1.3)	19 (24.7)	57 (74.0)	0.676	1 (0.8)	26 (20.0)	103 (79.2)	0.643	0.672	0.165	0.360
rs12145690	C/A	1 (1.3)	24 (31.2)	52 (67.5)	0.332	2 (1.5)	24 (18.5)	104 (80.0)	0.662	0.119	0.188	0.575
rs8179183	G/C	0 (0.0)	9 (11.7)	68 (88.3)	0.586	0 (0.0)	8 (6.2)	122 (93.8)	0.717	0.128	0.128	0.108

Allele order: major/minor. <sup>1</sup> HWE of healthy controls. <sup>2</sup> HWE of BD patients. <sup>3</sup> Comparison of the genotypic distribution of BD patients with healthy controls using the  $\chi^2$  goodness-of-fit test. <sup>4</sup> Comparison of the allele frequency in healthy controls with HapMap-JPT using the  $\chi^2$  goodness-of-fit test. Abbreviations: HO, homozygous; HE, heterozygous; WT, wild-type; HWE, Hardy–Weinberg equilibrium; MAF, minor allele frequency; JPT, Japanese in Tokyo.