

**Supp Table 1.** Protein levels

Characteristics	BD (N=100)		Control (N=100)	Difference (Mean 95% CI)	P
	N (%) or Mean (SD) [Median (IQR)]				
Age	46.9 (13.1)		46.7 (13.1)	0.179 (-0.280, 0.637)	0.442
Gender					NA
Female	62 (62%)		62 (62%)	NA	
Male	38 (38%)		38 (38%)	NA	
Venipuncture time, h	12.1 (2.1)		12.1 (2.1)	0.000 (-0.001, 0.001)	0.783
Proteins					
SST <sup>a</sup>	25.1 (5.8) [23.5 (22.9, 25.7)]		21.5 (7.5) [23.9 (19.7, 25.5)]	3.6 (1.7, 5.5)	<0.001
CACNA1C <sup>b</sup>	0.395 (0.011) [0.392 (0.388, 0.396)]		0.363 (0.094) [0.389 (0.354, 0.399)]	0.032 (0.013, 0.051)	0.001
ARNTL <sup>b</sup>	0.528 (0.068) [0.499 (0.480, 0.597)]		0.555 (0.092) [0.510 (0.487, 0.644)]	-0.027 (-0.051, -0.003)	0.029
CRH <sup>b</sup>	6.24 (1.54) [6.58 (5.09, 6.89)]		8.65 (1.36) [8.56 (7.81, 9.38)]	-2.41 (-2.79, -2.04)	<0.001
PER2 <sup>d</sup>	38.0 (30.5) [28.4 (17.2, 53.6)]		31.3 (23.7) [25.2 (14.3, 42.8)]	6.7 (-1.4, 14.7)	0.103

p-values calculated from paired t-tests.

<sup>a</sup>N=96 pairs because missing data from n=4 pairs.

<sup>b</sup>N=98 pairs because missing data from n=2 pairs.

<sup>d</sup>N=95 pairs because missing data from n=5 pairs.

**Supp Table 2.** Clinical characteristics

Characteristics	BD (N=100) N (%) or Median (IQR)
Diagnosis <sup>a</sup>	
BD I	58 (62%)
BD II	36 (38%)
Alcohol dependence <sup>b</sup>	36 (37%)
Hx psychosis	19 (19%)
Hx suicide attempt	38 (38%)
Current episode <sup>c</sup>	
Manic or hypomanic	11 (13%)
Major depressive	45 (53%)
Euthymic	29 (34%)

Characteristics	BD (N=100) N (%) or Median (IQR)
Rapid cycling <sup>d</sup>	36 (67%)
CGI Scale <sup>e</sup>	
Mania	2.0 (1.0, 3.0)
Depression	3.0 (1.0, 4.0)
Chronotype <sup>f</sup>	
Non evening type	65 (68%)
An evening type	30 (32%)
Insomnia severity <sup>g</sup>	2.0 (2.0, 3.0)
Lithium (current)	23 (23%)
Lithium Alda A score <sup>h</sup>	6.0 (3.5, 7.0)

Abbreviations: BD, bipolar disorder; CGI, Clinical Global Impressions

<sup>a</sup>N=94 because missing data from n=6.

<sup>b</sup>N=97 because missing data from n=3.

<sup>c</sup>N=85 because missing data from n=15.

<sup>d</sup>N=54 because missing data from n=46.

<sup>e</sup>N=96 because missing data from n=4.

<sup>f</sup>N=95 because missing data from n=5.

<sup>g</sup>N=51 because missing data from n=49. Insomnia severity is calculated as the maximum insomnia severity score [0-3] across sleep onset, mid-nocturnal, and early morning.

<sup>h</sup>N=43 because missing data from n=57.