Supplementary Information (SI)

Table S2. Statistical values of MANCOVA for serum cortisol (SC), salivary cortisol awakening response (CAR) and serum mature brain-derived neurotrophic factor (mBDNF) and values of GLM for C-reactive protein (CRP)

|                          | F     | p-values |
|--------------------------|-------|----------|
| **MD x CG1**             |       |          |
| **CAR*SC*mBDNF**         |       |          |
| Group                    | 7.56  | < 0.001  |
| Age                      | 1.51  | 0.19     |
| **CAR**                  |       |          |
| Group                    | 27.61 | < 0.001  |
| Age                      | 1.64  | 0.20     |
| **SC**                   |       |          |
| Group                    | 19.44 | < 0.001  |
| Age                      | 5.03  | 0.02     |
| **mBDNF**                |       |          |
| Group                    | 2.73  | 0.10     |
| Age                      | 0.66  | 0.41     |
| **TRD x CG2**            |       |          |
| **CAR*SC*mBDNF**         |       |          |
| Group                    | 3.32  | 0.008    |
| Age                      | 0.53  | 0.78     |
| BMI                      | 1.82  | 0.11     |
| Income                   | 1.78  | 0.78     |
| **CAR**                  |       |          |
| Group                    | 5.39  | 0.02     |
| Age                      | 0.005 | 0.93     |
| BMI                      | 1.63  | 0.20     |
| Income                   | 0.10  | 0.74     |
| **SC**                   |       |          |
| Group                    | 6.27  | 0.01     |
| Age                      | 0.72  | 0.39     |
| BMI                      | 6.05  | 0.01     |
| Income                   | 0.002 | 0.95     |
| **mBDNF**                |       |          |
| Group                    | 7.58  | 0.008    |
| Age                      | 0.006 | 0.93     |
| BMI                      | 2.09  | 0.15     |
| Income                   | 4.40  | 0.04     |
| **CRP**                  |       |          |
| Group                    | 5.11  | 0.28     |
| Age                      | 0.48  | 0.49     |
| BMI                      | 14.65 | < 0.001  |
| Income                   | 0.48  | 0.49     |

The bold text indicates statistically significant, p < 0.05. BMI: body mass index; MD: first episode depressive patients; TRD: treatment-resistant major depression; CG1: control group 1; CG2: control group 2.