**Ormerod MBEG et al.,** **Limited evidence of association between dysregulated immune marker levels and telomere length in severe mental disorders**

Supplementary material

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| **Supplementary Table 1** Somatic medication use by patients |
| **Somatic medications** | SCZ (N = 301) | BD (N = 211) |
| Anti-inflammatory/immunomodulatory, N (%) | 17 (2.8) | 8 (2.3) |
| Antidiabetics, N (%) | 10 (1.7) | 4 (1.2) |
| Cardiovascular/lipid modifying, N (%) | 19 (3.2) | 15 (4.3) |
| Gastrointestinal drugs, N (%) | 21 (3.5) | 8 (2.3) |
| Other, N (%) | 86 (14.3) | 74 (21.4) |
| Abbreviations: Bipolar disorder (BD), Schizophrenia spectrum disorders (SCZ). |

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| **Supplementary Table 2** Association analyses of immune markers and telomere length in the combined SCZ + BD group |
|  | **Model: IM and adjustment for** **age, sex and BMI** |
|  | SCZ + BD |
|  | *ß(IM)* | *p-value* |
| sTNF-R1 | 0.097 | 0.035 |
| IL-1RA | <-0.001 | 0.025 |
| sIL-2R | -0.002 | 0.86 |
| sgp130 | 0.001 | 0.17 |
| ICAM-1 | <0.001 | 0.38 |
| IL-18 | <0.001 | 0.92 |
| APRIL | <-0.001 | 0.66 |
| YKL-40 | <0.001 | 0.93 |
| MPO | <0.001 | 0.90 |
| NSE | 0.007 | 0.32 |
| CRP | 0.009 | 0.58 |
| Eotaxin | <-0.001 | 0.83 |
| Abbreviations: Bipolar disorder (BD), Body mass index (BMI), Healthy controls (HC), Immune marker (IM), Schizophrenia spectrum disorders (SCZ). |



**Supplementary Figure 1** Difference in telomere length by T/S ratio among SCZ, BD and HC, presented by mean and confidence intervals based on estimated marginal means, including adjustments for age, sex, and BMI.

\*Significant difference between SCZ and HC (*p* = 0.016).

Abbreviations: Bipolar disorder (BD), Body mass index (BMI), Healthy controls (HC), Schizophrenia spectrum disorders (SCZ), telomere template/amount of single-copy gene template (T/S ratio).