Supplemental Online Content

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**eTable 1.** Comparison Between Individual SASP Factors Between Nonremission vs Remission Groups

**eTable 2.** Logistic Regression of Each Individual SASP Factor to Predict Treatment Outcome

This supplemental material has been provided by the authors to give readers additional information about their work.
# eTable 1. Comparison Between Individual SASP Factors Between Nonremission vs. Remission Groups

| SASP index weight | Whole sample Mean | SD | Treatment outcome Mean | SD | Remission | Treatment resistance | t | df | Sig. | F | df | sig |
|-------------------|-------------------|----|------------------------|----|------------|----------------------|---|----|------|---|----|-----|
| IL-6              | 0.364             | 2.03 | 0.44                  | 1.98 | 0.48 | 2.07 | 0.41 | -1.98 | 414 | 0.05 |
| gp130             | 0.403             | 16.47 | 0.70                  | 16.48 | 0.40 | 16.47 | 0.85 | 0.03 | 414 | 0.97 |
| IL-8              | 0.47              | 2.96  | 0.73                  | 2.90  | 0.74 | 3.00  | 0.72 | -1.29 | 414 | 0.20 |
| uPAR              | 0.583             | 9.81   | 0.58                 | 9.82  | 0.54 | 9.81  | 0.61 | 0.27 | 414 | 0.79 |
| MIF               | 0.304             | 10.99 | 1.10                 | 11.00 | 1.23 | 10.97 | 1.01 | 0.28 | 414 | 0.78 |
| MCP-1             | 0.35              | 8.36   | 0.71                 | 8.30  | 0.68 | 8.40  | 0.73 | -1.52 | 414 | 0.13 |
| Osteoprotegerin   | 0.565             | 9.96   | 0.45                 | 9.95  | 0.46 | 9.97  | 0.45 | -0.47 | 414 | 0.64 |
| IL1b              | 0.536             | 3.04   | 0.45                 | 3.00  | 0.50 | 3.08  | 0.41 | -1.78 | 414 | 0.08 |
| MIP-3α            | 0.481             | 4.18   | 1.90                 | 3.94  | 1.98 | 4.36  | 1.83 | -2.22 | 414 | 0.03 |
| MIP-1α            | 0.572             | 5.43   | 1.48                 | 5.41  | 1.53 | 5.44  | 1.45 | -0.22 | 414 | 0.83 |
| MIP-1β            | 0.556             | 8.99   | 0.23                 | 8.98  | 0.27 | 8.99  | 0.20 | -0.51 | 414 | 0.61 |
| MCP-4             | 0.347             | 7.29   | 0.67                 | 7.25  | 0.69 | 7.32  | 0.66 | -1.09 | 414 | 0.27 |
| GMCSF             | 0.466             | 0.14   | 1.04                 | 0.07  | 1.15 | 0.19  | 0.95 | -1.12 | 414 | 0.26 |
| ICAM-1            | 0.416             | 18.20  | 0.85               | 18.21 | 0.94 | 18.19 | 0.77 | 0.27 | 414 | 0.78 |
| TNFRII            | 0.612             | 11.38  | 0.60                  | 11.30 | 0.62 | 11.43 | 0.59 | -2.21 | 414 | 0.03 |
| TNFRI             | 0.719             | 10.65  | 0.69                 | 10.58 | 0.72 | 10.70 | 0.65 | -1.75 | 414 | 0.08 |
| PLGF              | 0.211             | 2.15   | 1.57                 | 2.05  | 1.65 | 2.23  | 1.50 | -1.13 | 414 | 0.26 |
| GRO-α             | 0.169             | 5.80   | 1.89                 | 5.60  | 1.84 | 5.94  | 1.93 | -1.80 | 414 | 0.07 |
| IGFBP-2           | -0.104            | 15.45  | 2.41               | 15.54 | 2.41 | 15.38 | 2.41 | 0.65 | 414 | 0.52 |
| TIMP-1            | -0.219            | 12.40  | 2.45               | 12.58 | 2.46 | 12.26 | 2.45 | 1.28 | 414 | 0.20 |
| IGFBP-6           | -0.185            | 17.38  | 0.83               | 17.32 | 0.73 | 17.42 | 0.89 | -1.27 | 414 | 0.20 |
| Angiogenin | -0.364 | 18.01 | 0.91 | 17.98 | 0.91 | 18.03 | 0.90 | -0.58 | 414 | 0.57 |

All biomarkers data is log₂ transformed.

*Adjusted by self-reported male sex, MADRS scores, duration of depressive episode, diastolic blood pressure levels.
eTable 2. Logistic Regression of Each Individual SASP Factor to Predict Treatment Outcome

| Factor                  | Unadjusted | Adjusted* |
|------------------------|------------|-----------|
|                        | CI95%      | CI95%     |
|                        | OR  Lower  |  Upper    | p-value | OR  Lower  |  Upper    | p-value |
| IL6                    | 1.39       | 0.79      | 2.44    | 0.25       | -         | -       |
| gp130                  | 1.02       | 0.70      | 1.48    | 0.94       | -         | -       |
| IL 8                   | 1.12       | 0.82      | 1.52    | 0.48       | -         | -       |
| uPAR                   | 0.88       | 0.56      | 1.36    | 0.56       | -         | -       |
| MIF                    | 0.94       | 0.78      | 1.14    | 0.54       | -         | -       |
| MCP1                   | 1.21       | 0.89      | 1.67    | 0.23       | -         | -       |
| Osteoprotegerin        | 0.79       | 0.46      | 1.34    | 0.37       | -         | -       |
| IL1b                   | 1.52       | 0.78      | 2.94    | 0.22       | -         | -       |
| MIP3a                  | 1.08       | 0.96      | 1.22    | 0.18       | -         | -       |
| MIP1a                  | 1.03       | 0.90      | 1.19    | 0.72       | -         | -       |
| MIP1b                  | 0.44       | 0.12      | 1.60    | 0.22       | -         | -       |
| MCP4                   | 1.02       | 0.72      | 1.43    | 0.93       | -         | -       |
| GMCSF                  | 1.09       | 0.88      | 1.35    | 0.44       | -         | -       |
| ICAM1                  | 0.93       | 0.73      | 1.19    | 0.56       | -         | -       |
| TNFRII                 | 1.30       | 0.82      | 2.08    | 0.27       | -         | -       |
| TNFRI                  | 1.03       | 0.72      | 1.49    | 0.85       | -         | -       |
| GROa                   | 1.08       | 0.89      | 1.31    | 0.43       | -         | -       |
| PLGF                   | 1.08       | 0.96      | 1.23    | **0.21**   | -         | -       |
| IGFBP2                 | 1.28       | 1.01      | 1.63    | **0.04**   | 1.00      | 0.92    | 1.09    | 0.95    |
| TIMP1                  | 0.84       | 0.66      | 1.05    | 0.13       | -         | -       |
| IGFBP6                 | 1.01       | 0.63      | 1.63    | 0.96       | -         | -       |
| Angiogenin             | 1.06       | 0.70      | 1.63    | 0.78       | -         | -       |

* Adjusted by self-reported male sex, MADRS scores, and scores on cognitive inhibition and set-shifting tasks.

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