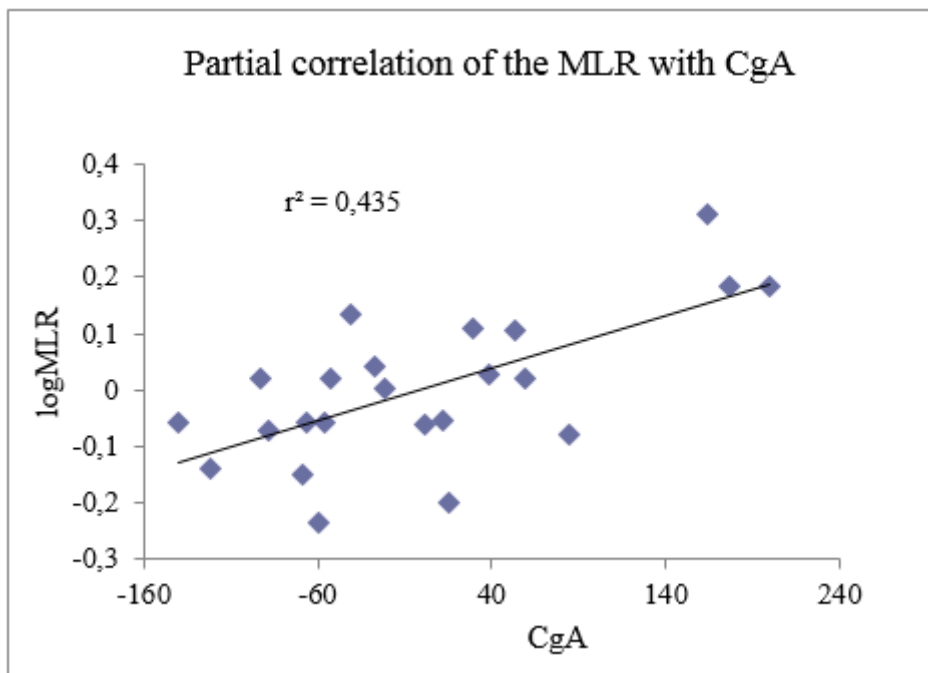
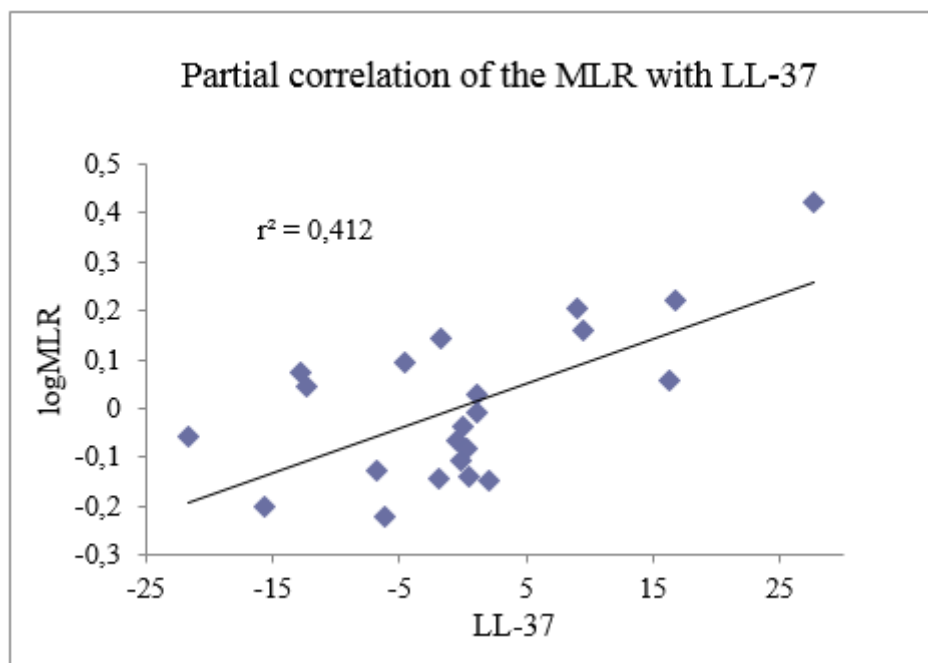


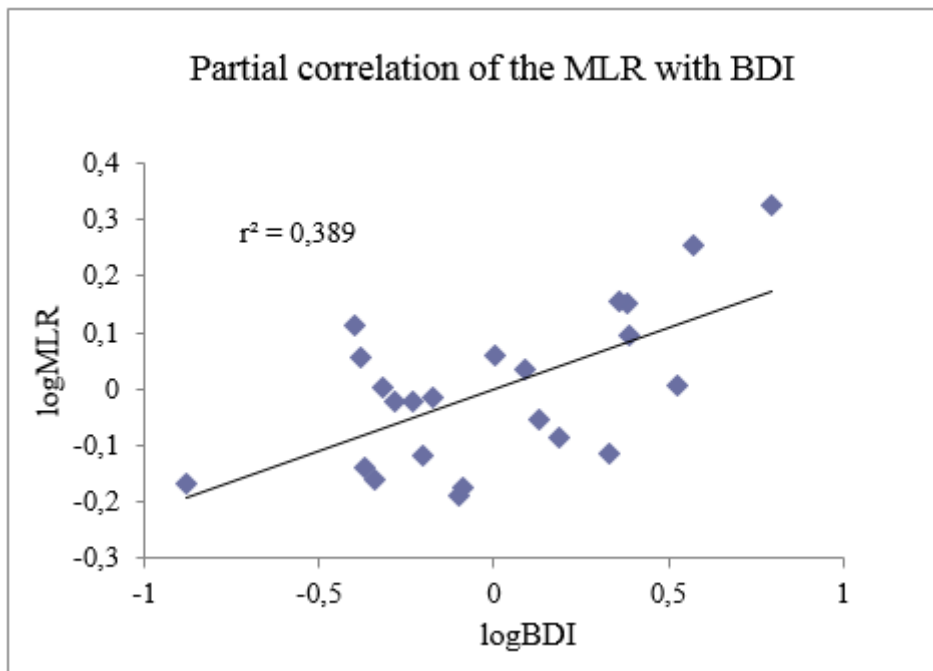
### Supplementary figures (correlation plots)



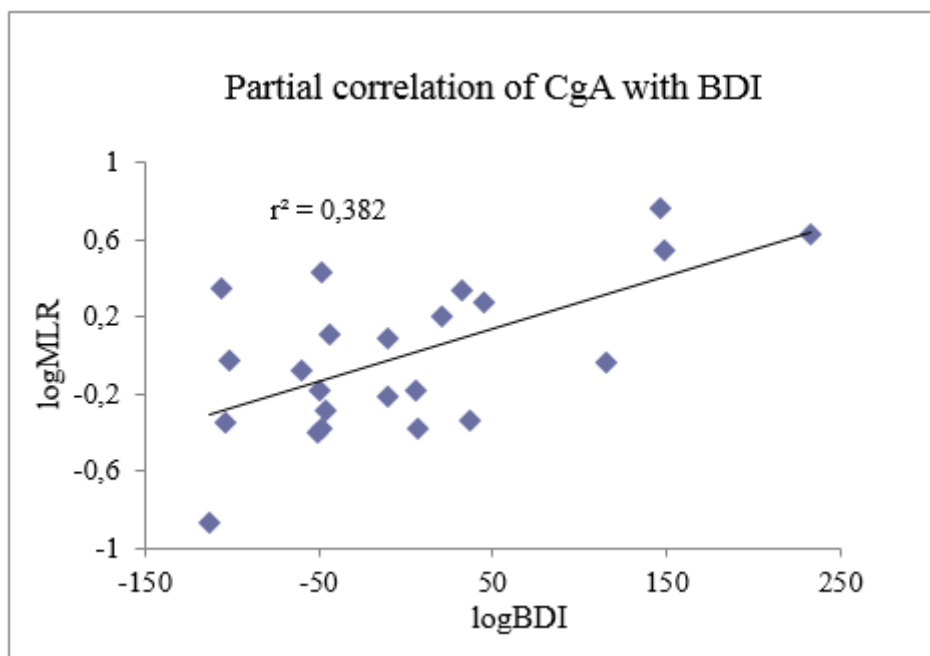
**SFig. 1.** Correlation of the MLR with chromogranin A (CgA) in the multivariate analysis adjusted for age, BMI and sex; additional adjustments for CgA: intake of proton pump inhibitors and grades of heart failure. (Because of failed normality for MLR, its log10-transformed values were used.) Pearson's correlation coefficient,  $r = 0.660$ ,  $p < 0.01$ , power: 0.980.



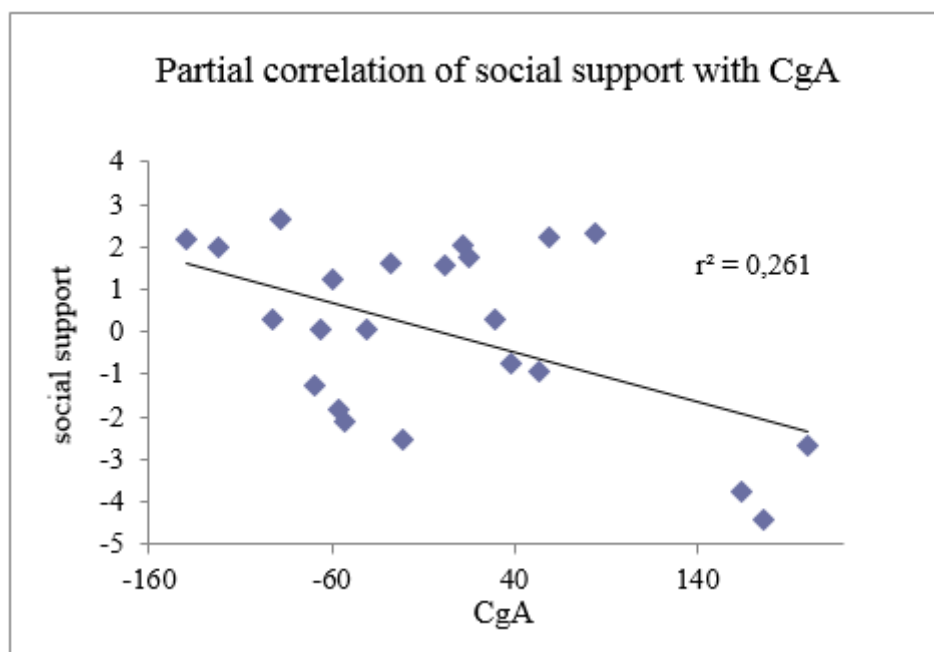
**SFig. 2.** Correlation of the MLR with plasma LL-37 in the multivariate analysis adjusted for age, BMI and sex. (Because of failed normality for MLR, its log10-transformed values were used.) Pearson's correlation coefficient,  $r = 0.643$ ,  $p < 0.01$ , power: 0.963.



**SFig. 3.** Correlation of the MLR with BDI scores in the multivariate analysis adjusted for age, BMI and sex; additional adjustment for BDI: intake of sedatives. (Because of failed normality for MLR and BDI, its log10-transformed values were used.) Pearson's correlation coefficient,  $r = 0.624$ ,  $p < 0.01$ , power: 0.954.



**SFig. 4.** Correlation of CgA with BDI scores in the multivariate analysis adjusted for age, BMI and sex; additional adjustment for BDI: intake of sedatives. (Because of failed normality for BDI, its log10-transformed values were used.) Pearson's correlation coefficient,  $r = 0.618$ ,  $p < 0.01$ , power: 0.949.



**SFig. 5.** Correlation of social support with CgA in the multivariate analysis adjusted for age, BMI and sex; additional adjustments for chromogranin A: intake of proton pump inhibitors and grades of heart failure. Pearson's correlation coefficient,  $r = -0.511$ ,  $p < 0.05$ , power: 0.776.