



Figure S1. Changes in allopregnanolone, pregnanolone ($3\alpha,5\beta$ -THP), allotetrahydrodeoxycorticosterone ($3\alpha,5\alpha$ -THDOC), pregnenolone, $3\alpha,5\alpha$ -androsterone or $3\alpha,5\alpha$ -androstan-diol) in serum of post-partum depression (PPD) patients did not predict a decrease (improvement) in HAM-D score. To determine if the % change in each steroid in serum of PPD patients (N=15-18) after brexanolone infusion was correlated with the % decrease (improvement) in HAM-D score, linear regression analysis was applied and the coefficient of determination (R^2 value), F statistic, degrees of freedom, and p value were examined. No effects were found ($p>0.05$).