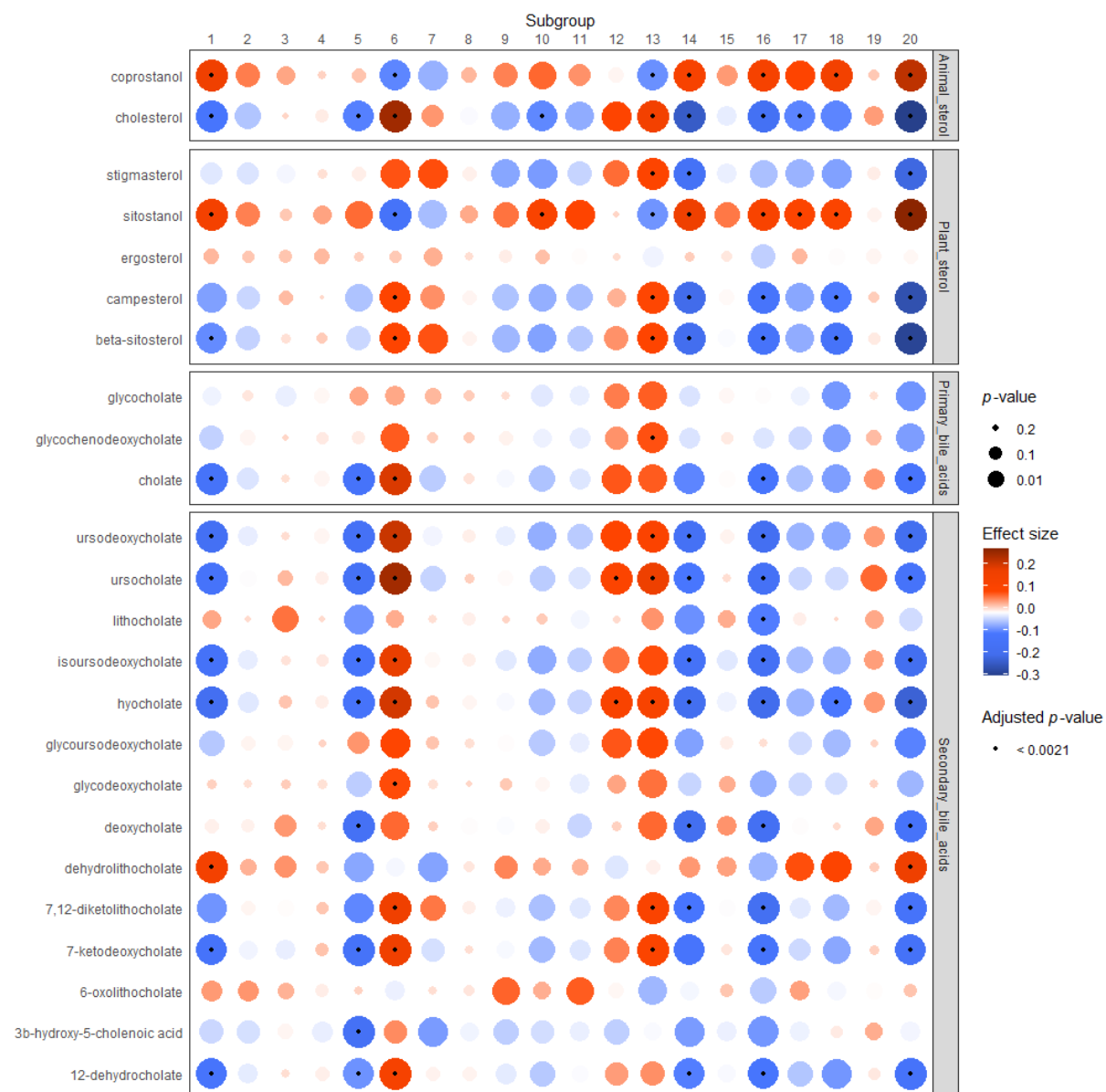
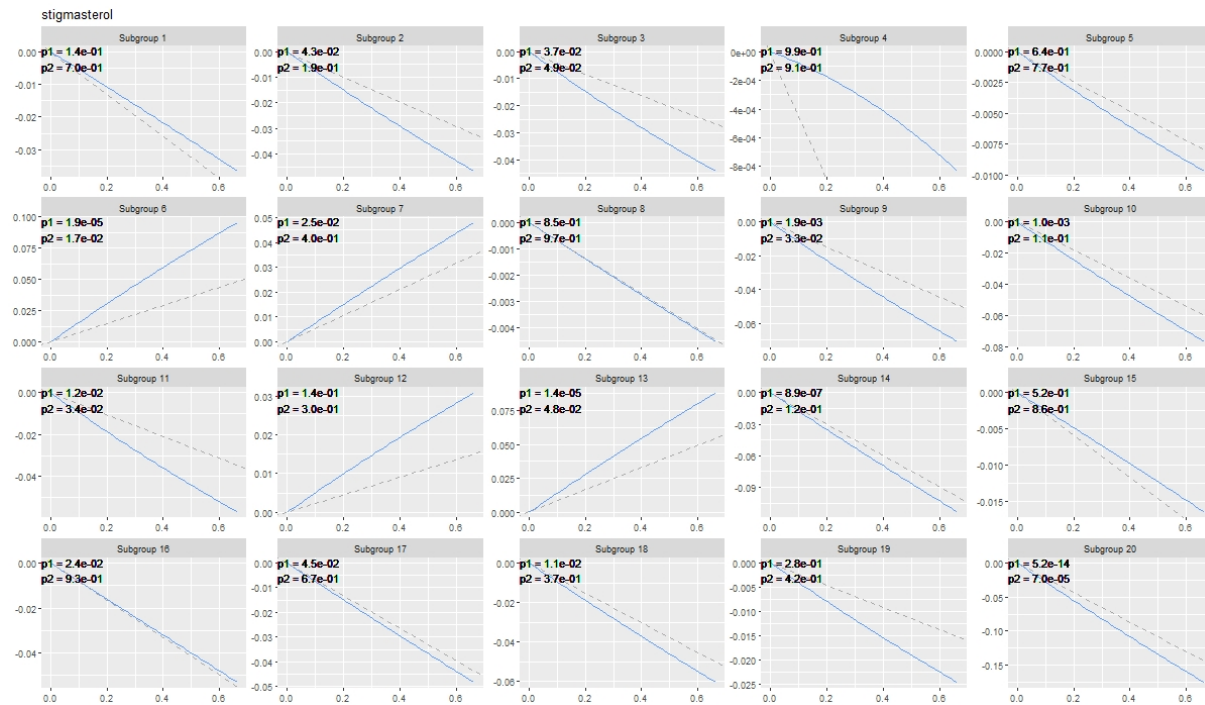


Supplementary Figures

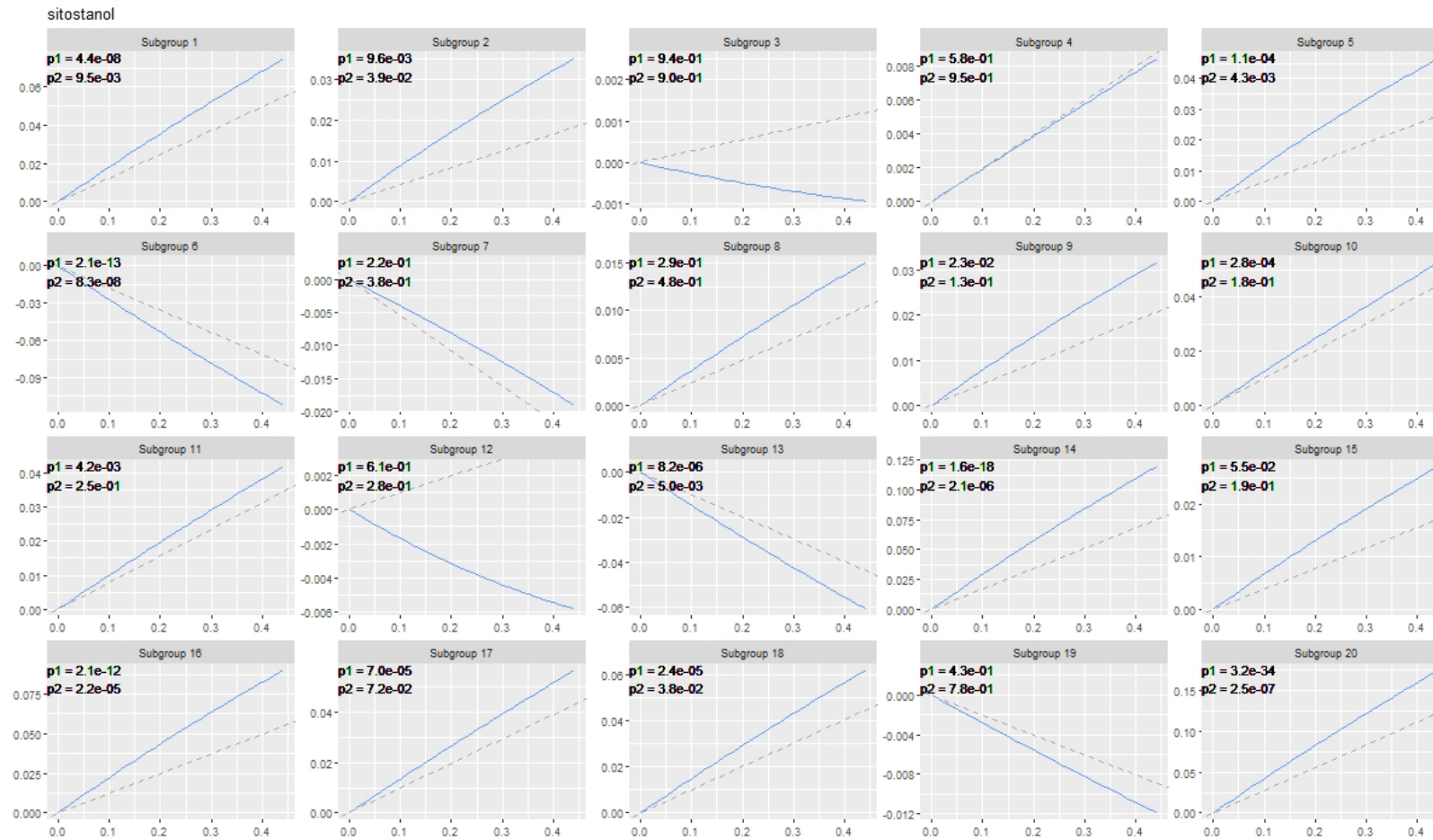
Supplementary Figure S1. Heat map displaying the results of a sensitivity analysis excluding participants taking lipid-lowering medications, including statins.



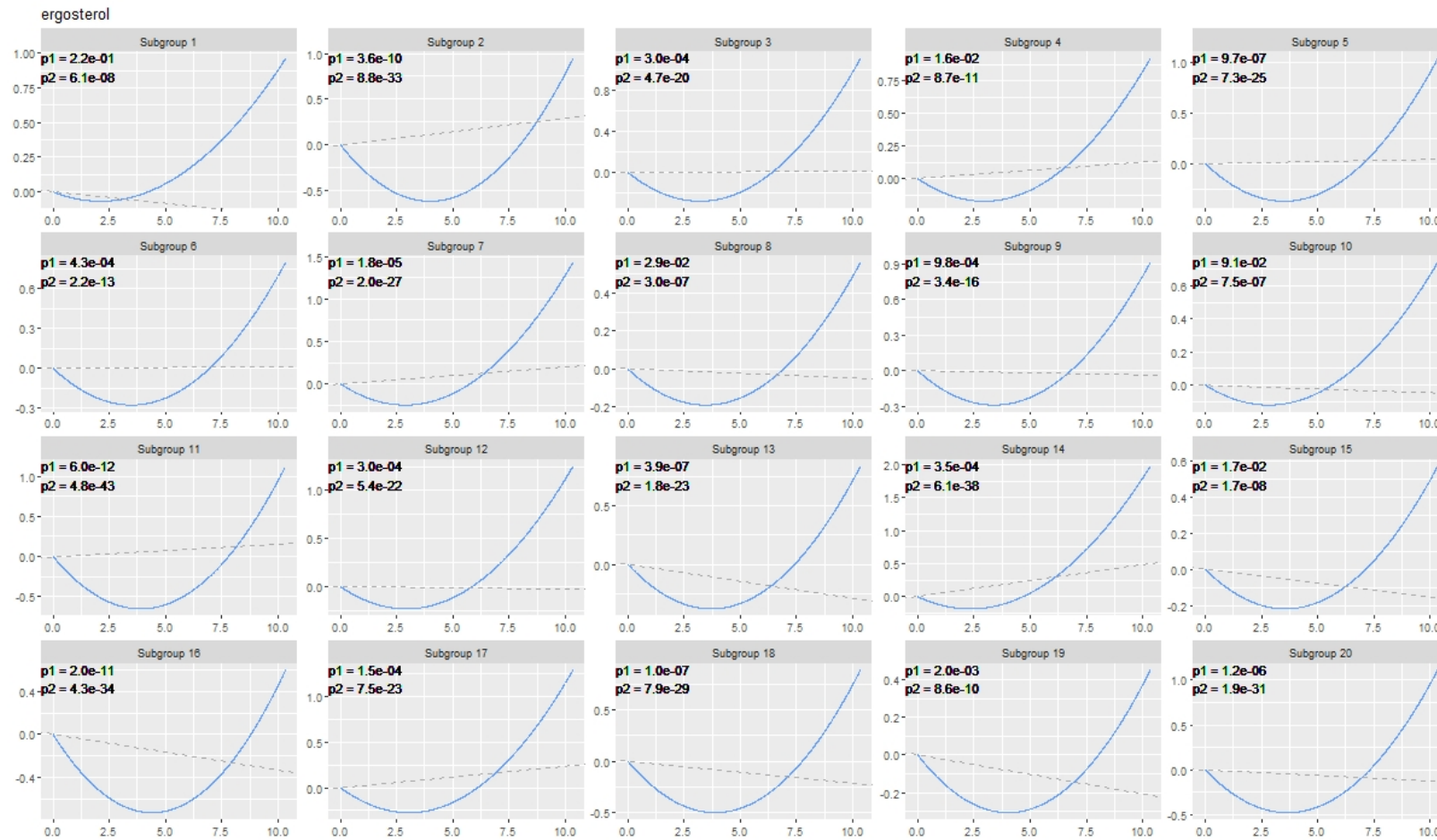
Supplementary Figure S2. Non-linear associations between stigmasterol and the 20 microbial subgroups. The blue line represents the non-linear association while the dotted line represents the linear trend. p1 and p2 represent the p-values for the linear and quadratic terms, respectively, for the non-linear model.



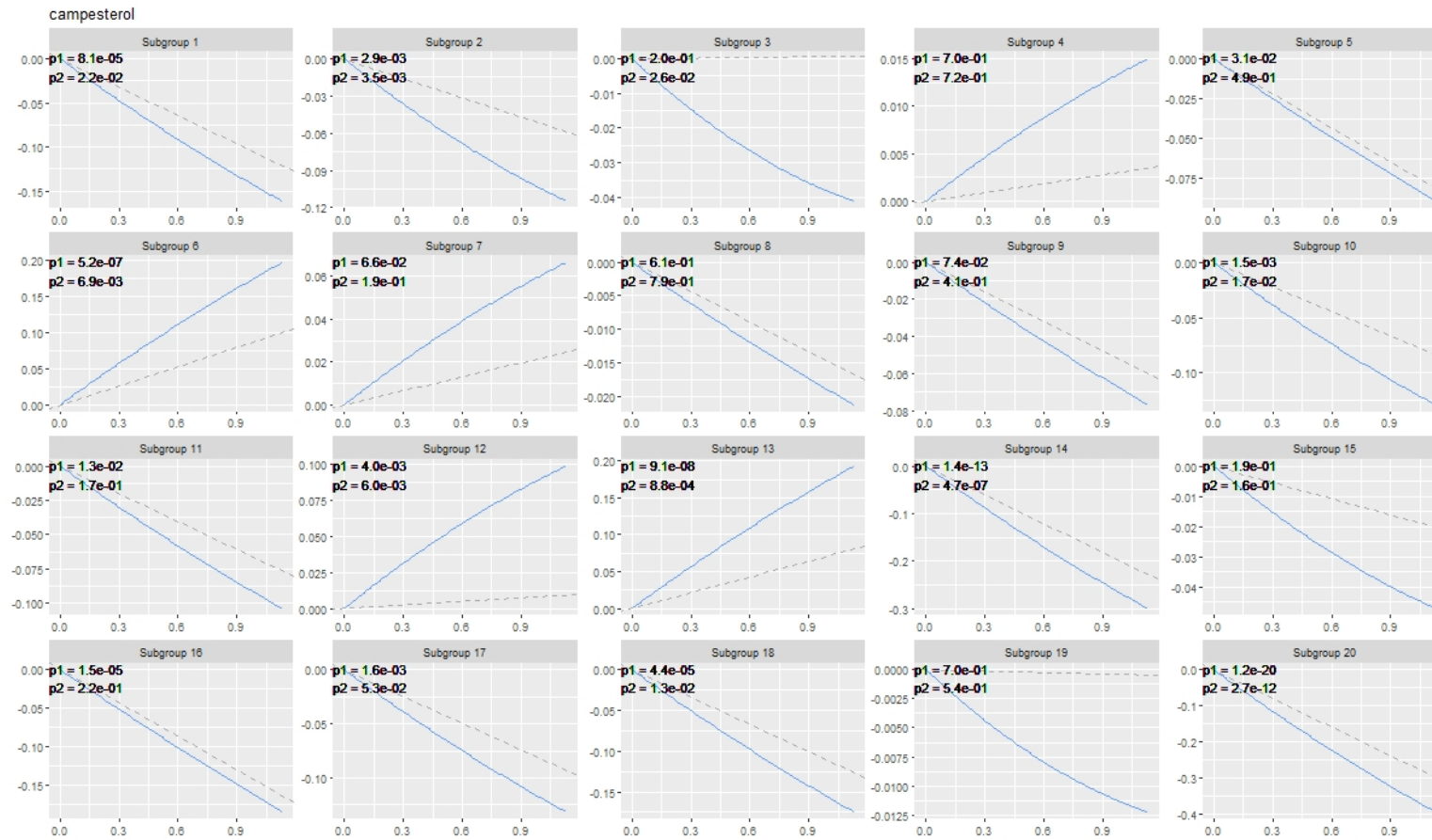
Supplementary Figure S3. Non-linear associations between sitostanol and the 20 microbial subgroups. The blue line represents the non-linear association while the dotted line represents the linear trend. p1 and p2 represent the p-values for the linear and quadratic terms, respectively, for the non-linear model.



Supplementary Figure S4. Non-linear associations between ergosterol and the 20 microbial subgroups. The blue line represents the non-linear association while the dotted line represents the linear trend. p1 and p2 represent the p-values for the linear and quadratic terms, respectively, for the non-linear model.



Supplementary Figure S5. Non-linear associations between campesterol and the 20 microbial subgroups. The blue line represents the non-linear association while the dotted line represents the linear trend. p1 and p2 represent the p-values for the linear and quadratic terms, respectively, for the non-linear model.



Supplementary Figure S6. Non-linear associations between beta-sitosterol and the 20 microbial subgroups. The blue line represents the non-linear association while the dotted line represents the linear trend. p1 and p2 represent the p-values for the linear and quadratic terms, respectively, for the non-linear model.

