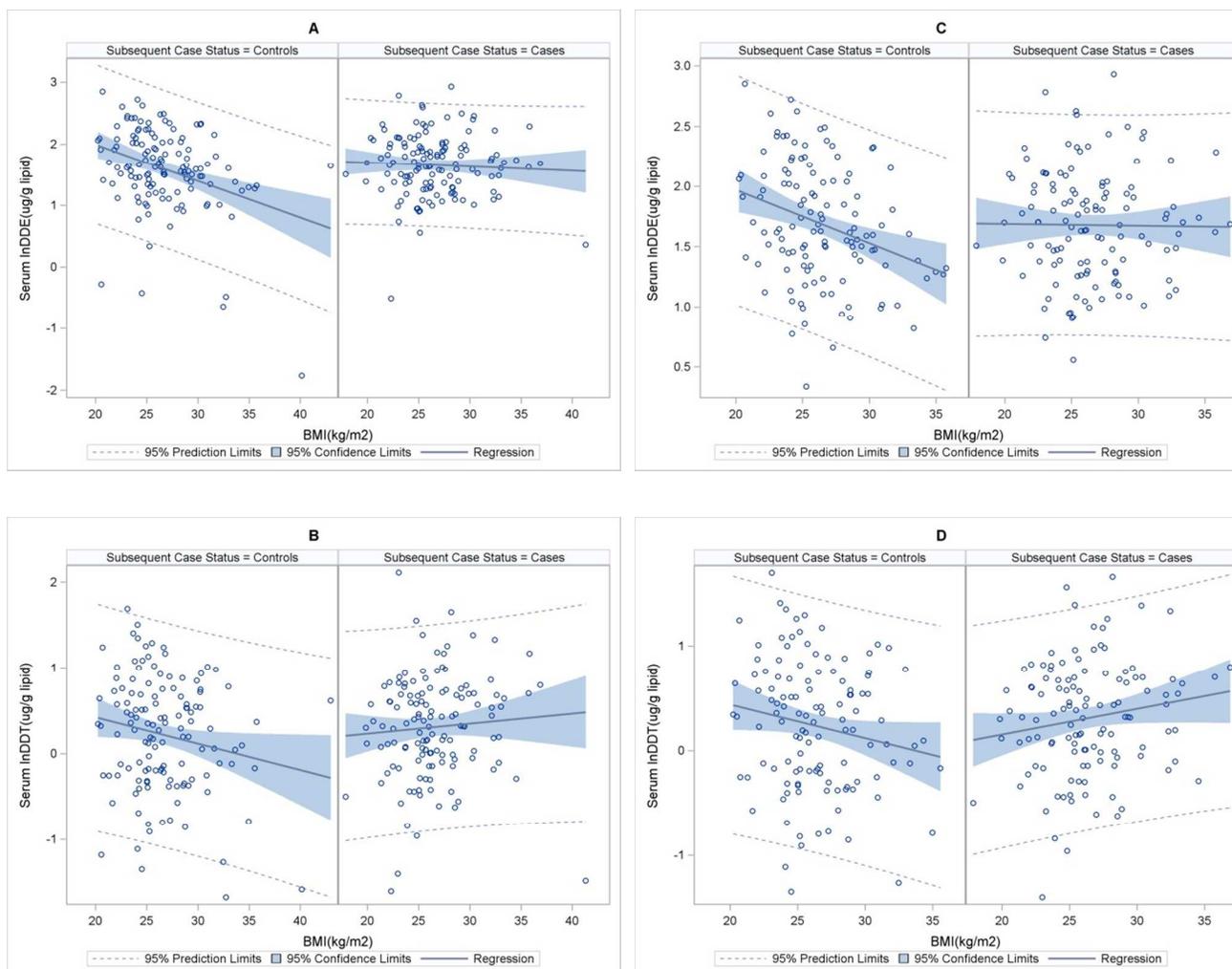


Supplemental Figure A. Correlation of body mass index with serum DDTs in the Child Health and Development Studies an average of 17 years before diagnosis with breast cancer (cases) compared to women who remained cancer-free (controls). DDTs shown are wet weight concentrations and regression lines are unadjusted for lipids or any other covariables. Panel A: p,p' -DDE. Panel B: p,p' -DDT.



Supplemental Figure B: Comparing BMI-DDT Associations Before and After Deletion of Influential Observations. This figure shows data points and unadjusted regression lines for the association of BMI with postpartum serum DDTs according to subsequent breast cancer diagnosis an average of 17 years later. Panels A and B show results based on all observations and these panels also found in Figure 1 in the manuscript. Panels C and D show results after influential observations are deleted.*

p,p' -DDE: Compare Panel A (no exclusions) to Panel C (excludes influential observations): BMI is inversely associated with p,p' -DDE in controls, but not in cases. This interaction of BMI with case status is observed in both Panel A and Panel C indicating that influential observations do not account for associations we report for BMI with p,p' -DDE.

p,p' -DDT: Compare Panel B (no exclusions) to Panel D (excludes influential observations): BMI is inversely associated with p,p' -DDT in controls, but not in cases. This interaction of BMI with case status is observed in both Panel B and Panel D indicating that influential observations do not account for associations we report for BMI with p,p' -DDT.

*Influential observations defined by Cooks D > 0.03 (4/N or 4/130) in Proc Mixed Model described in text and presented in Table 2 of the manuscript.

**Note differences in scale due to deletions when comparing Panel A to Panel C and when comparing Panel B to Panel D.