

Supplementary Information

**Machine Learning Prediction of DOC-Water Partitioning
Coefficients for Organic Pollutants from Diverse DOM Origins**

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4 pages, 3 figure in total

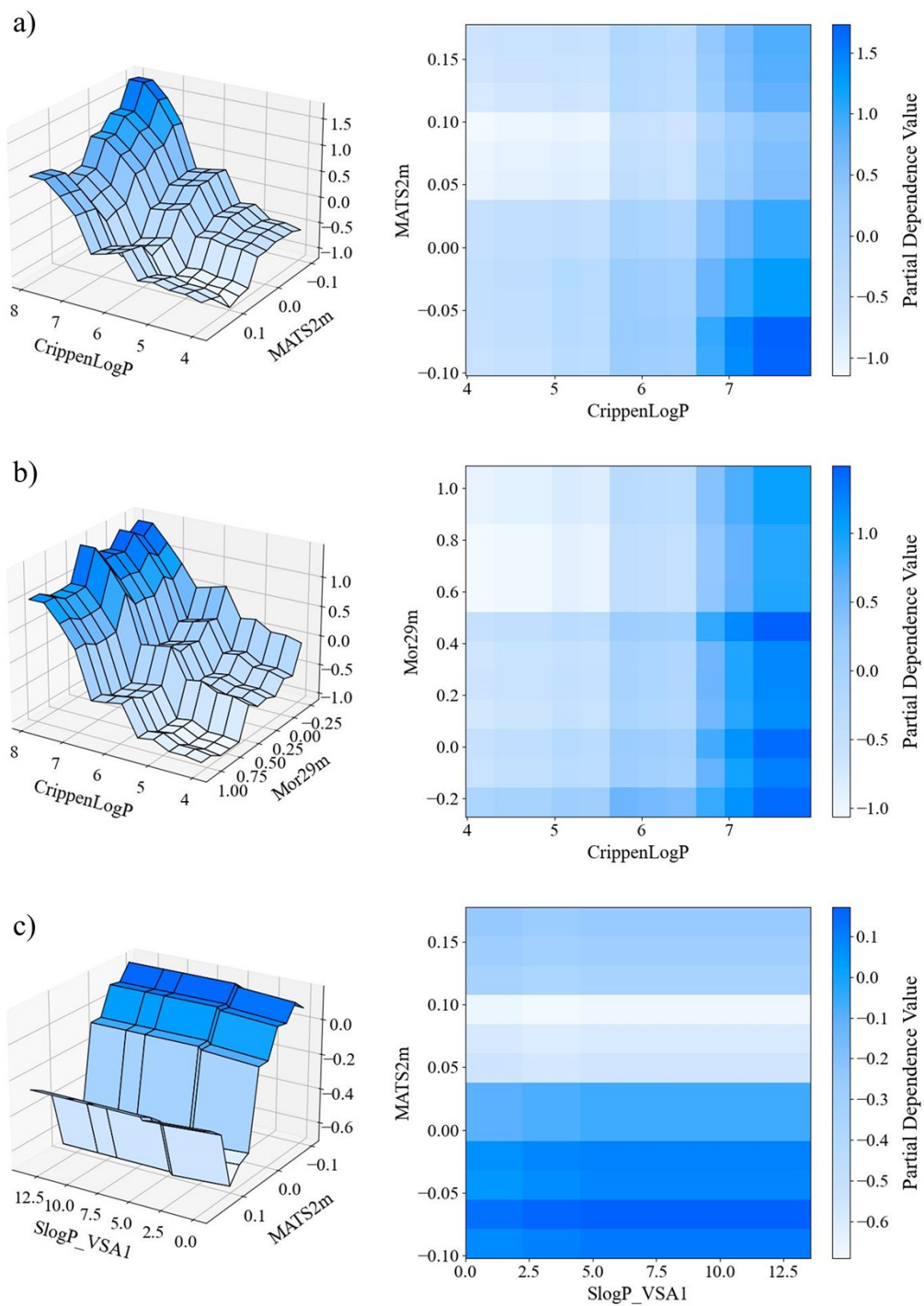


Figure S1. 3D interaction plots and projection diagrams illustrating combined effects of specific feature pairs on $\log K_{\text{DOC}}$ based on the Natural aquatic DOM model.

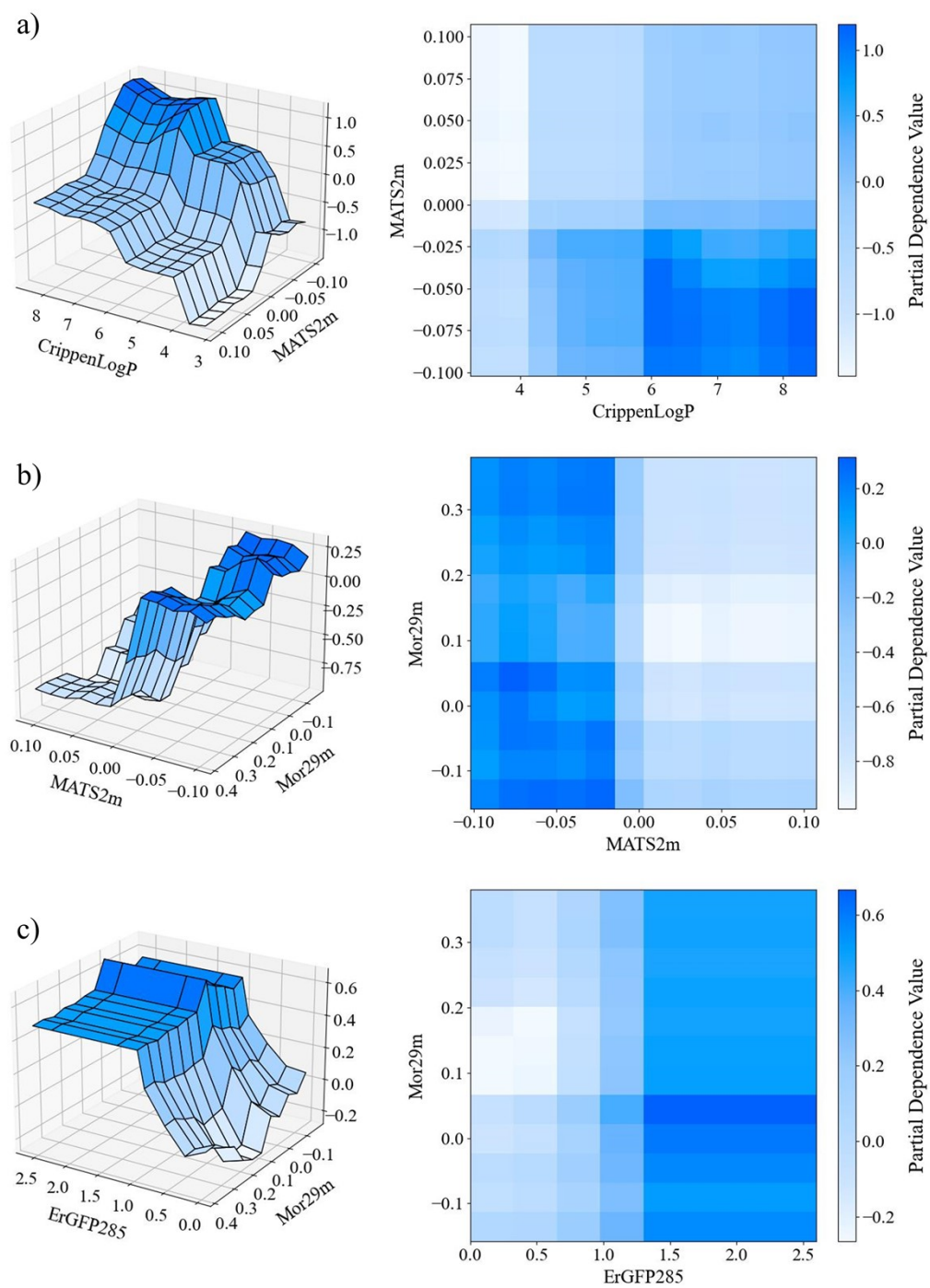


Figure S2. 3D interaction plots and projection diagrams illustrating combined effects of specific feature pairs on $\log K_{\text{DOC}}$ based on the Natural terrestrial DOM model.

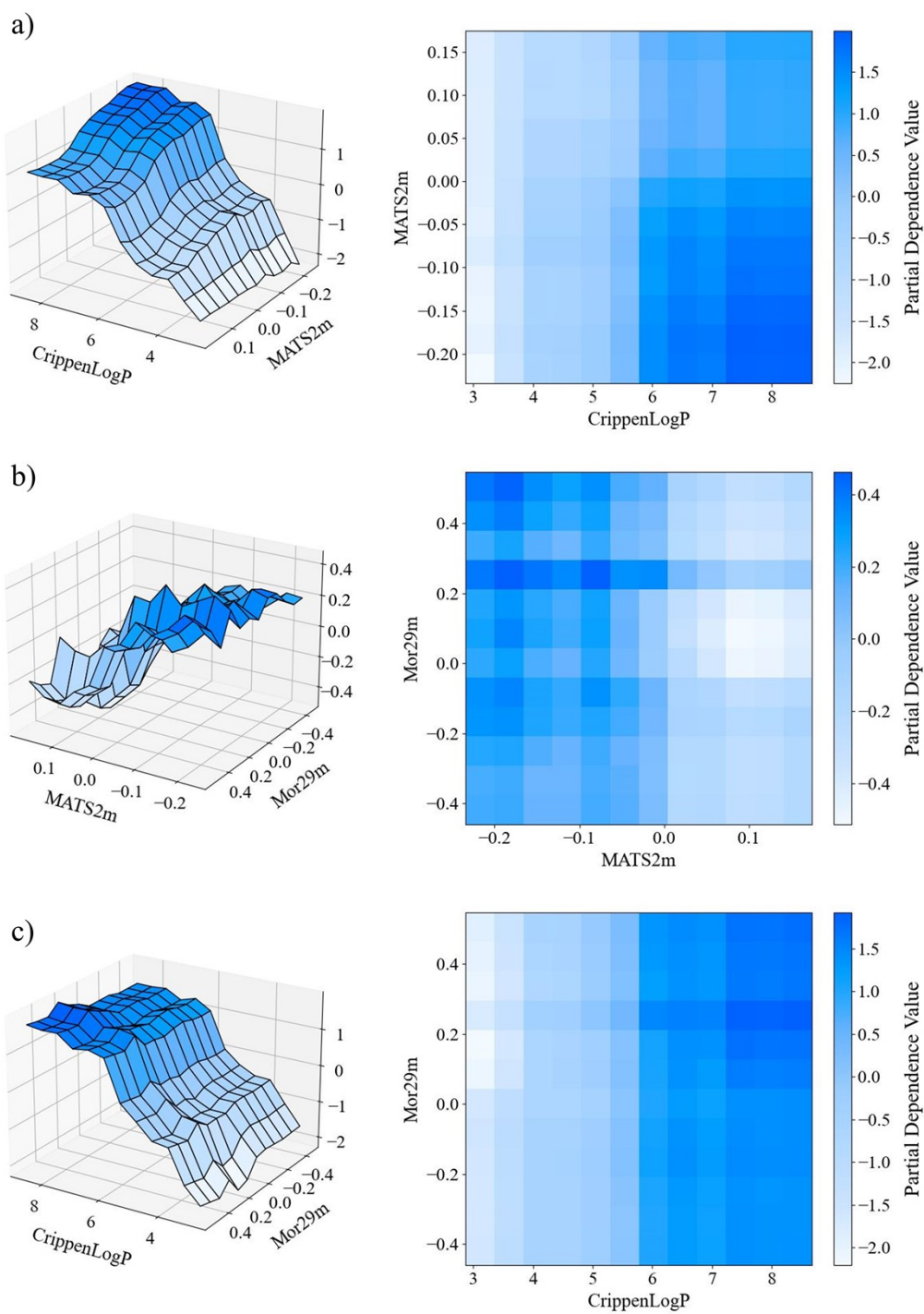


Figure S3. 3D interaction plots and projection diagrams illustrating combined effects of specific feature pairs on $\log K_{\text{DOC}}$ based on the Commercial DOM model.