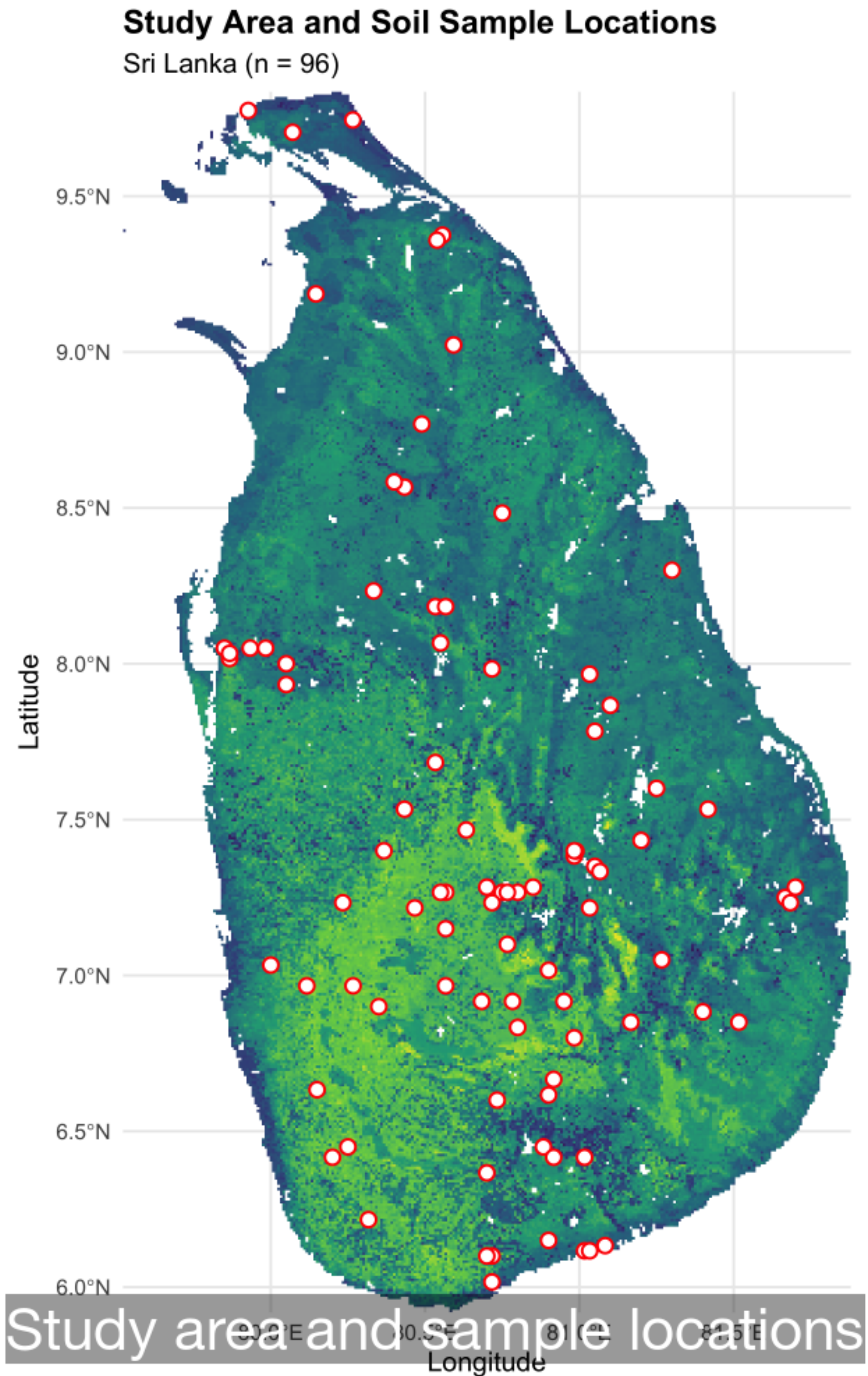
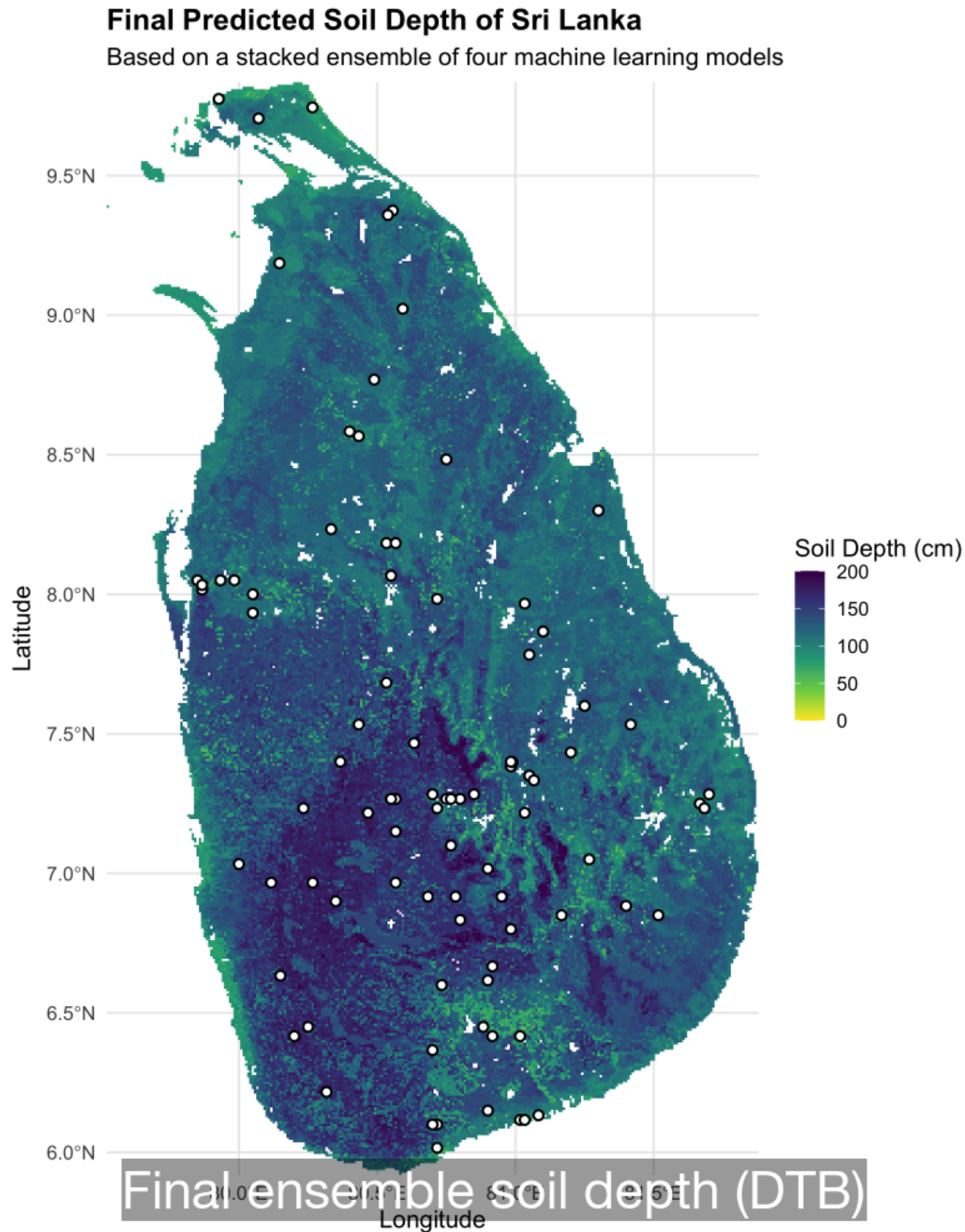


High-Resolution Mapping of Soil Depth in Sri Lanka using an Ensemble of Machine Learning Models

A

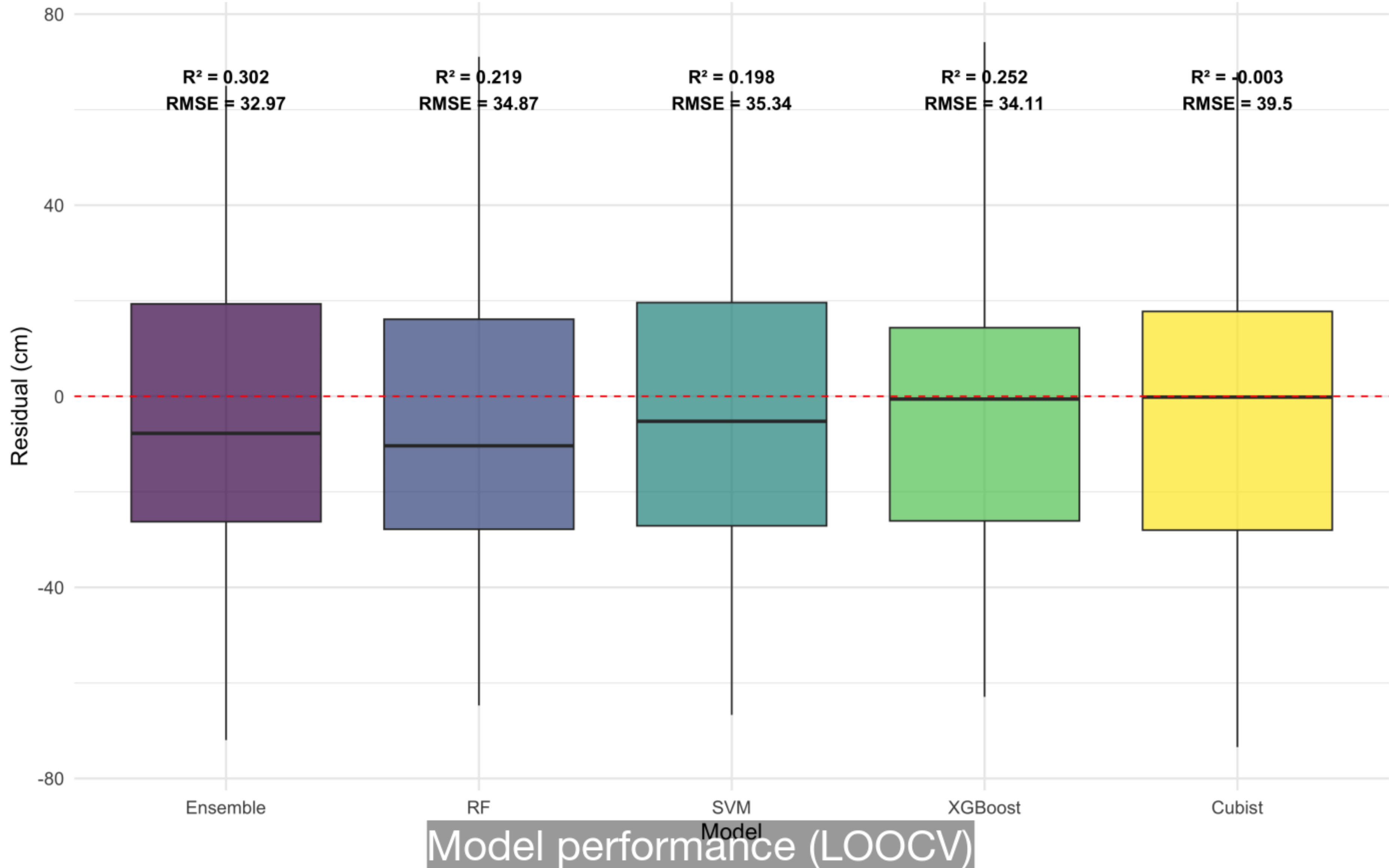


B



C

**Model Performance Comparison (Leave-One-Out Cross-Validation)**  
Distribution of prediction residuals



D

Top 24 covariates:

P04CHE3  
C07MCF5  
P05CHE3  
M09MOD4  
T09MOD3  
P06CHE3  
C12MCF5  
M04MOD4  
MANMCF5  
B13CHE3  
C04MCF5  
C06MCF5

**Top Covariates (Feature Selection)**

PRSCHE3  
DEMENV5  
P09CHE3  
P07CHE3  
CRVMRG5  
C05MCF5  
EX6MOD5  
C11MCF5  
C03MCF5  
P10CHE3  
C01MCF5  
T08MOD3

Top covariates: feature importance