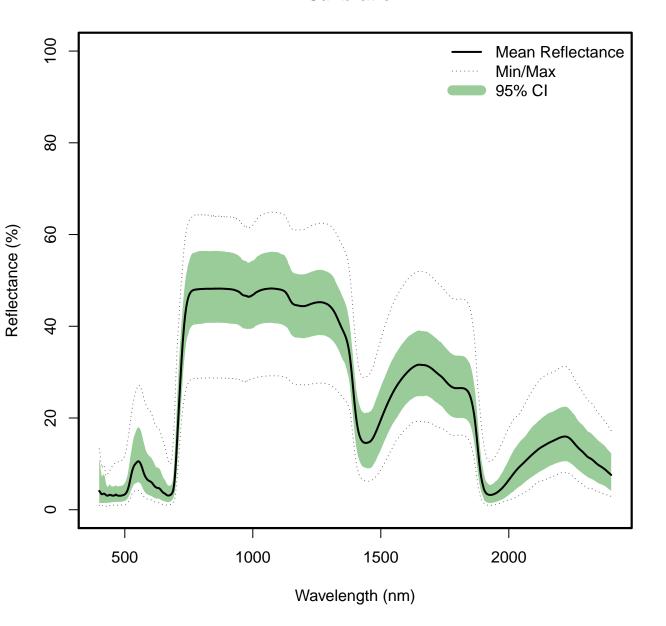
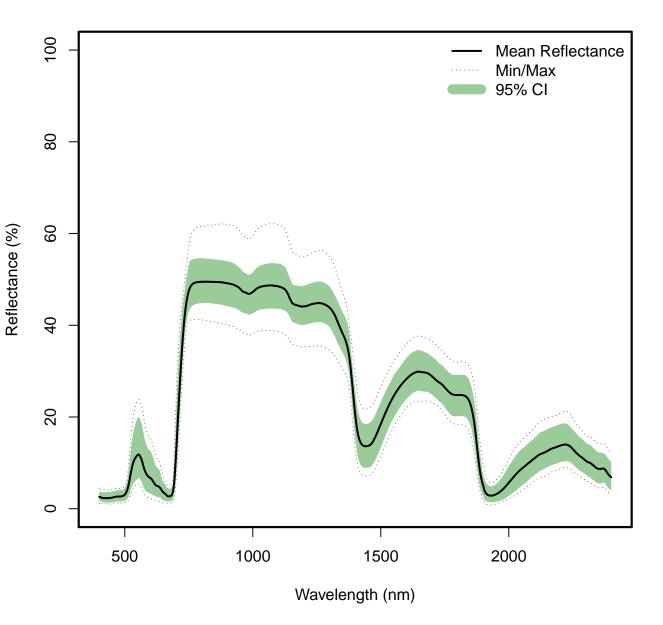


## **Calibration**



## **Validation**



Calibration: Rsq = 0.76; RMSEP = 0.812.5 10.0 -Observed sqrt\_Vcmax25 (units) dataset Albert\_et\_al\_2018 Barnes\_et\_al\_2017 Burnett\_et\_al\_2019 7.5 Lamour\_et\_al\_2021 Rogers\_et\_al\_2017 Rogers\_et\_al\_2020 Yan\_et\_al\_2021 5.0 2.5 5.0 7.5 10.0 12.5 2.5 Predicted sqrt\_Vcmax25 (units)

Validation: Rsq = 0.51; RMSEP = 0.84; nComps = 19 12.5 10.0 -Observed sqrt\_Vcmax25 (units) dataset 7.5 **-**Wu\_et\_al\_2019 5.0 -2.5 -7.5 10.
Predicted sqrt\_Vcmax25 (units) 2.5 5.0 10.0 12.5

