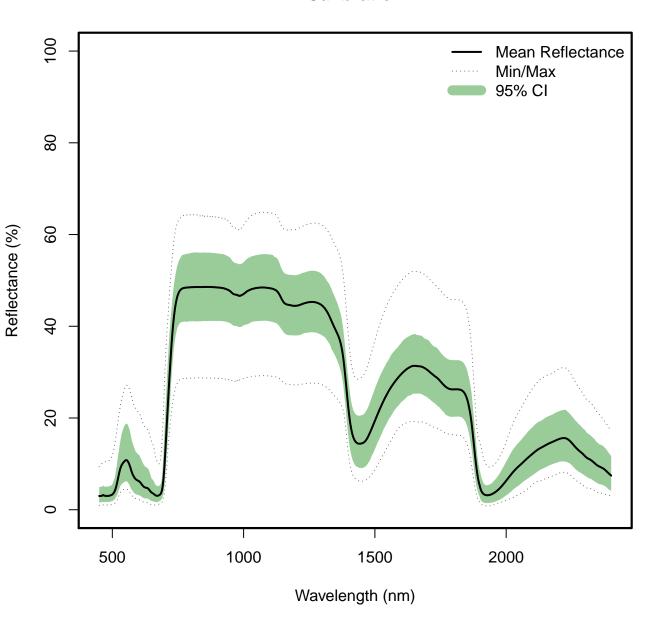
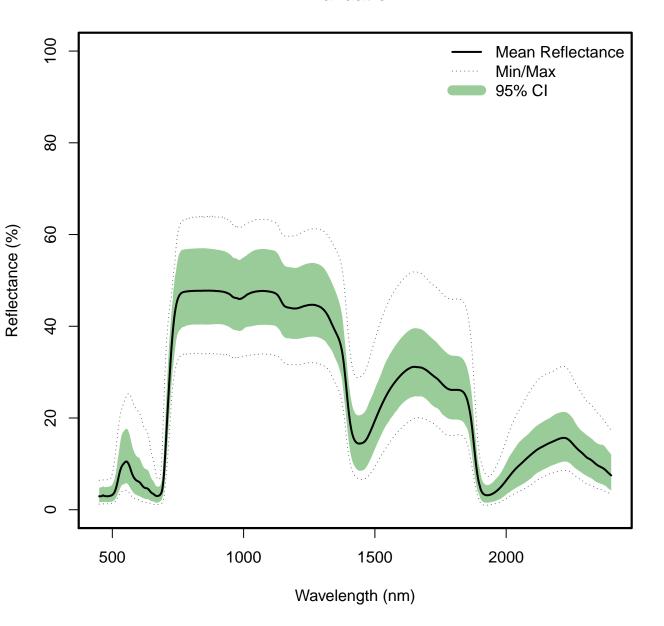
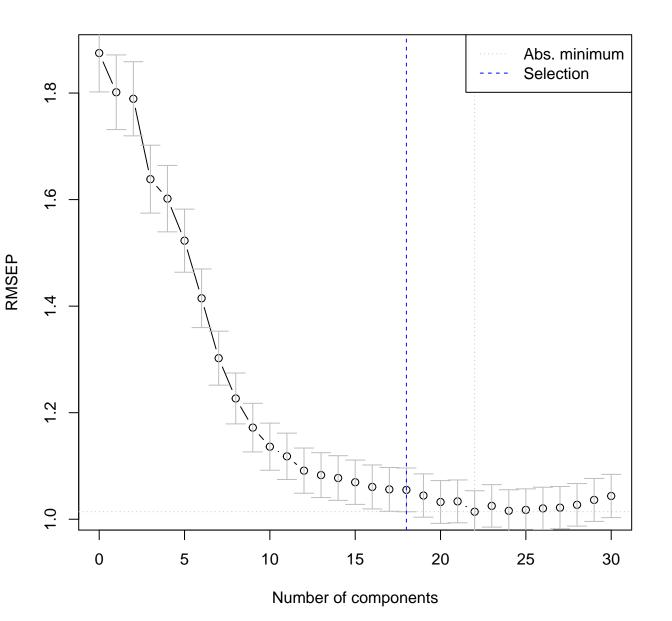


## **Calibration**



## **Validation**





Calibration: Rsq = 0.73; RMSEP = 0.8312.5 10.0 Observed sqrt\_Vcmax25\_JB (units) dataset Albert\_et\_al\_2018 Barnes\_et\_al\_2017 Burnett\_et\_al\_2019 Lamour\_et\_al\_2021 7.5 -Rogers\_et\_al\_2017 Rogers\_et\_al\_2020 Wu\_et\_al\_2019 Yan\_et\_al\_2021 5.0 2.5 5.0 7.5 10.0 12.5 2.5 Predicted sqrt\_Vcmax25\_JB (units)

Validation: Rsq = 0.61; RMSEP = 0.87; nComps = 18 12.5 10.0 Observed sqrt\_Vcmax25\_JB (units) dataset Albert\_et\_al\_2018 Barnes\_et\_al\_2017 Burnett\_et\_al\_2019 Lamour\_et\_al\_2021 7.5 -Rogers\_et\_al\_2017 Rogers\_et\_al\_2020 Wu\_et\_al\_2019 Yan\_et\_al\_2021 5.0 2.5 5.0 7.5 10.0 12.5 2.5 Predicted sqrt\_Vcmax25\_JB (units)

