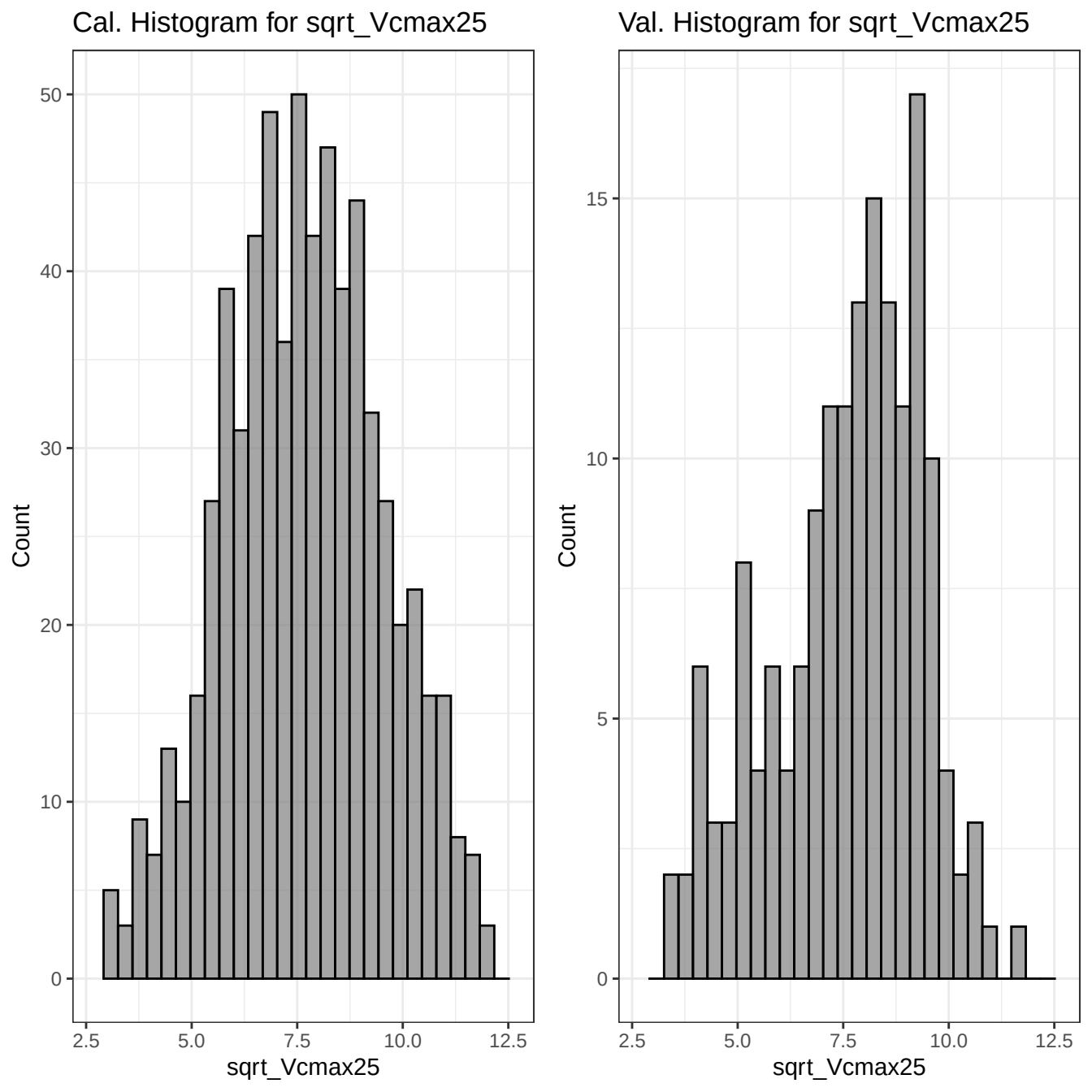
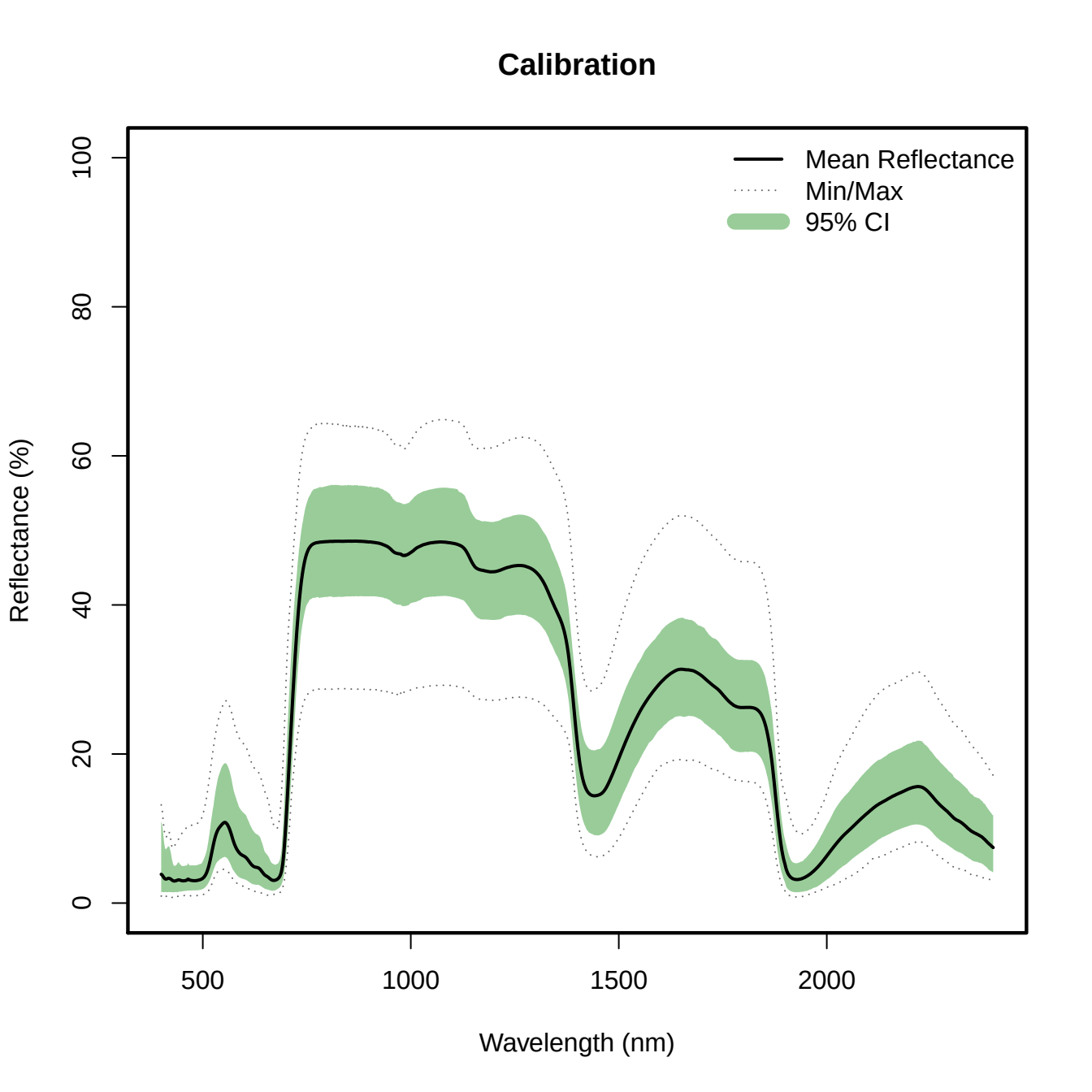
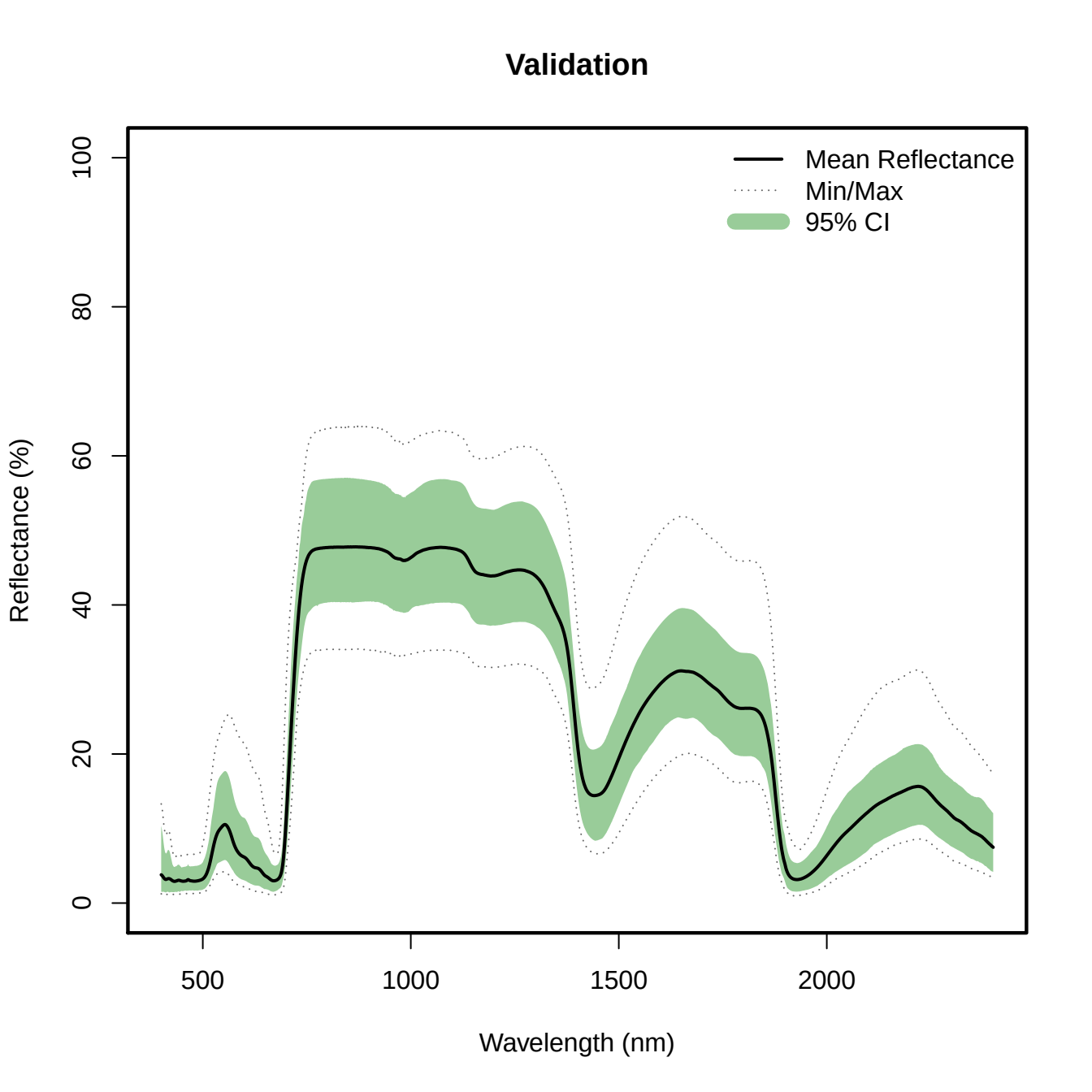
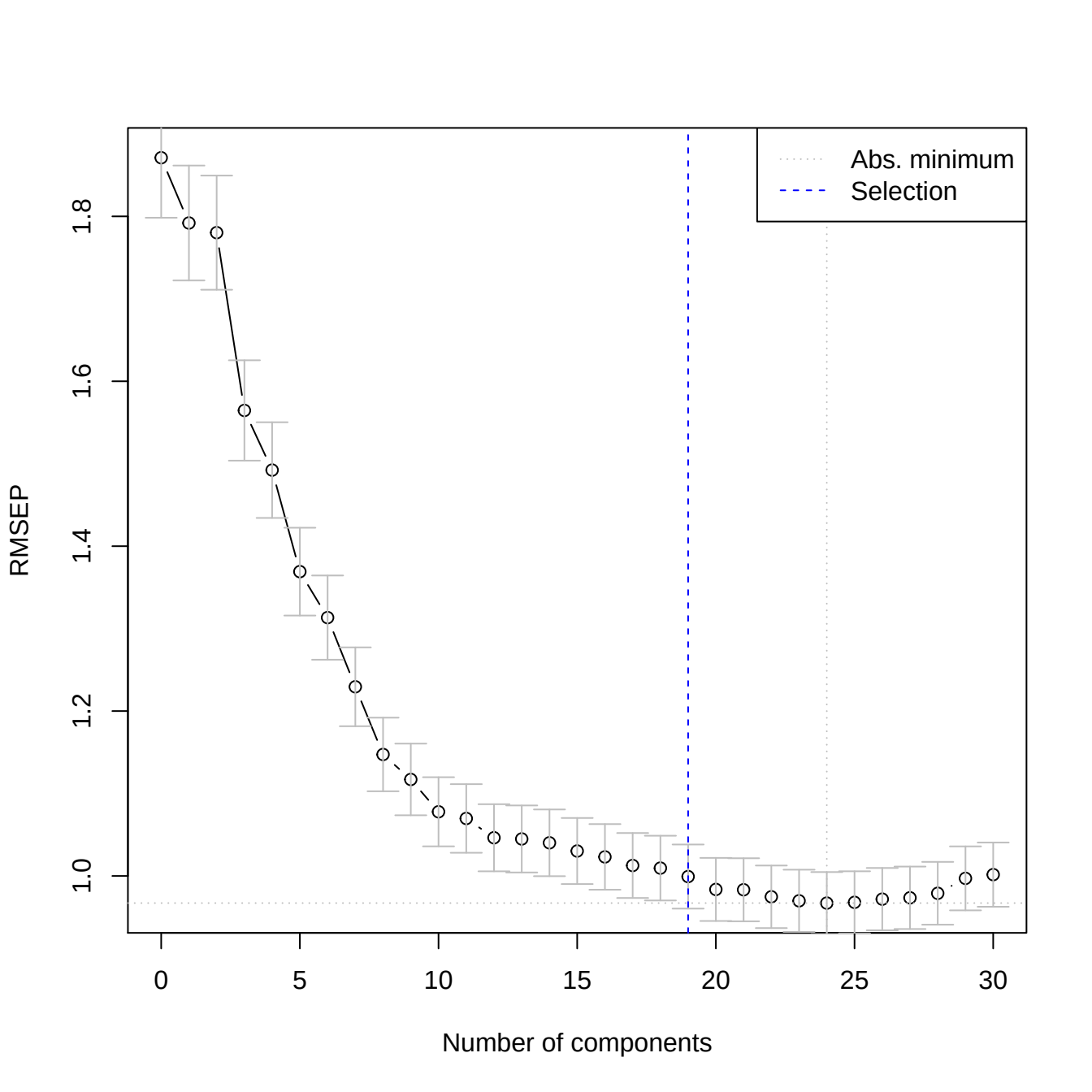
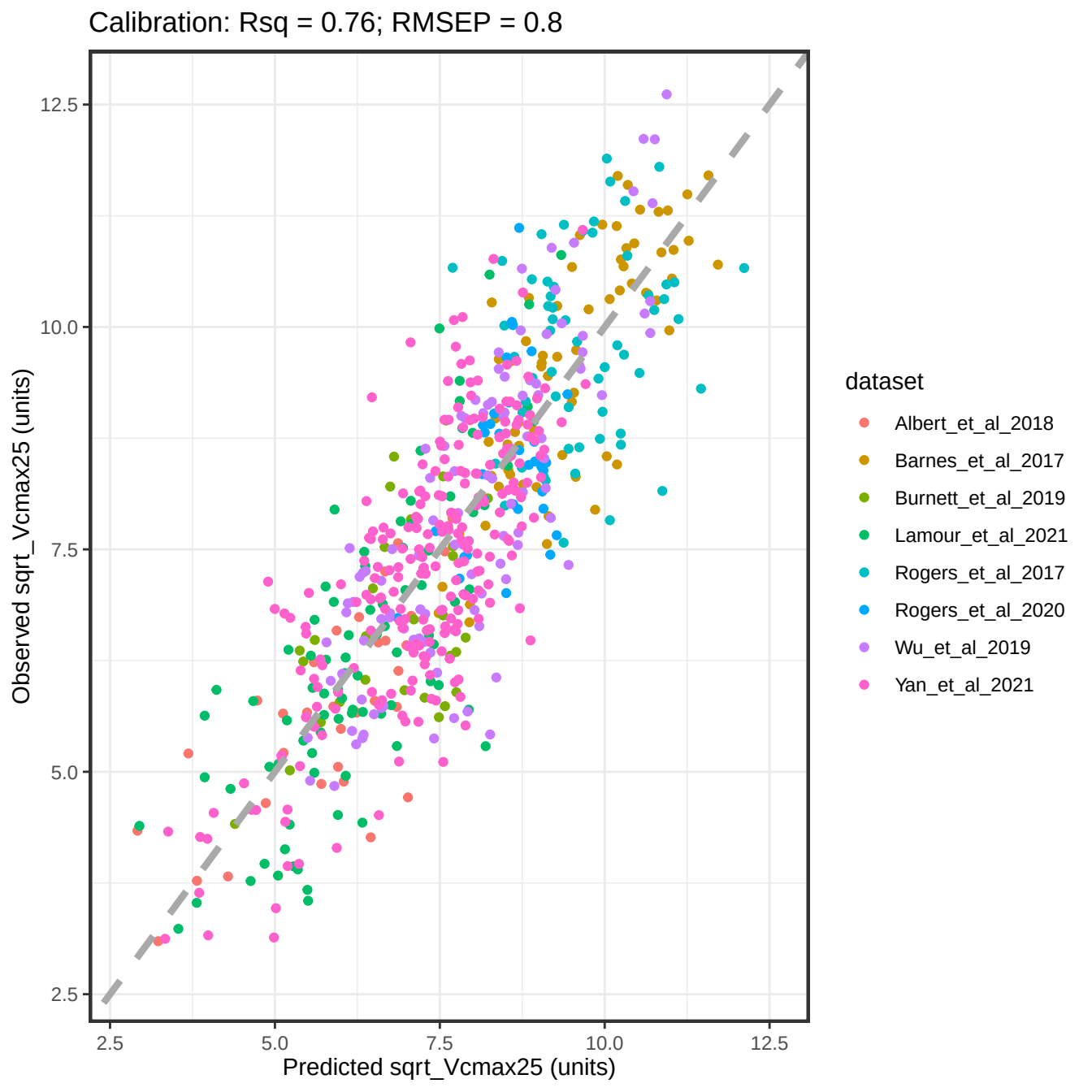
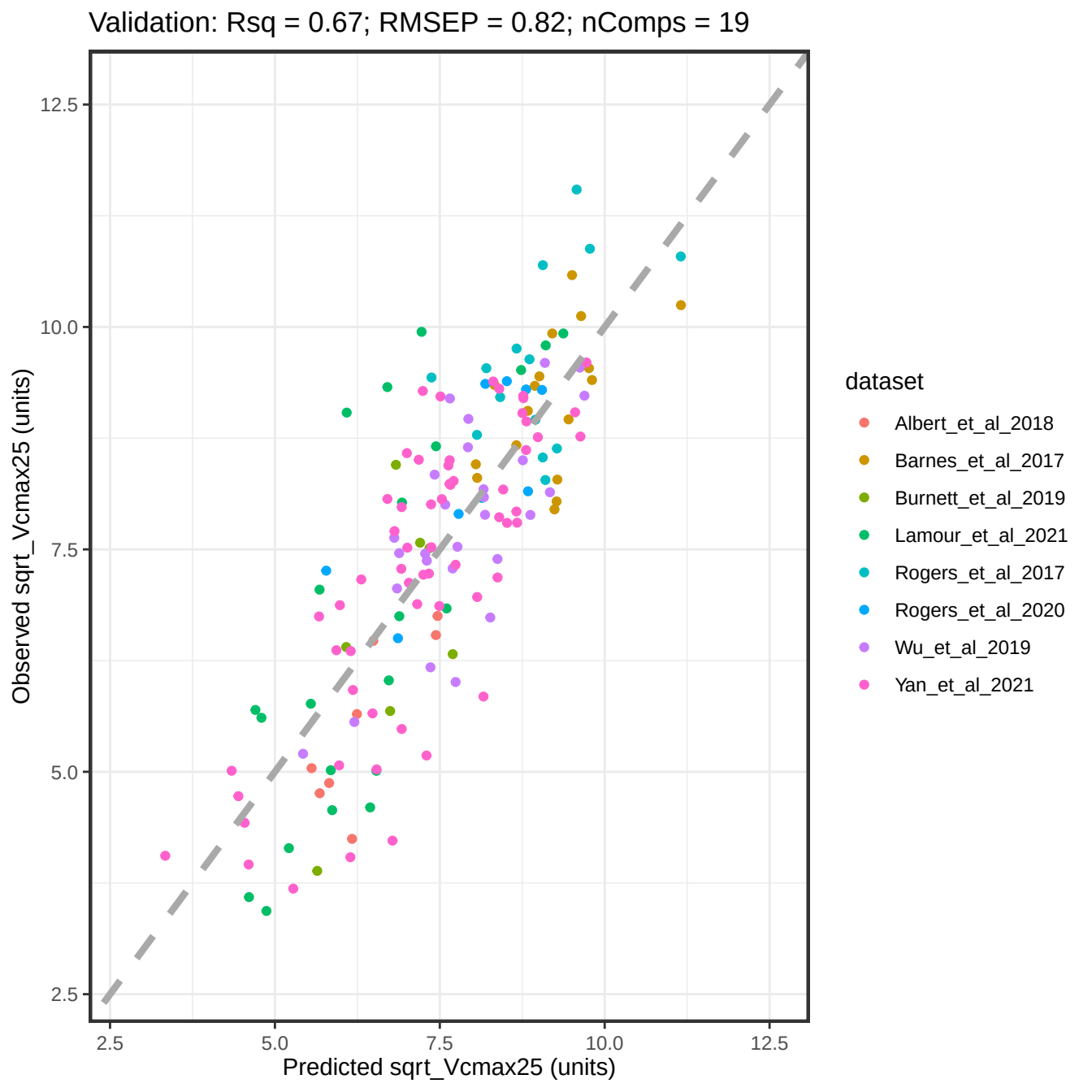

Cal. Histogram for sqrt_Vcmax25
Count
sqrt_Vcmax25
0
10
20
30
40
50
2.5
5.0
7.5
10.0
12.5
Val. Histogram for sqrt_Vcmax25
Count
sqrt_Vcmax25
0
5
10
15
2.5
5.0
7.5
10.0
12.5

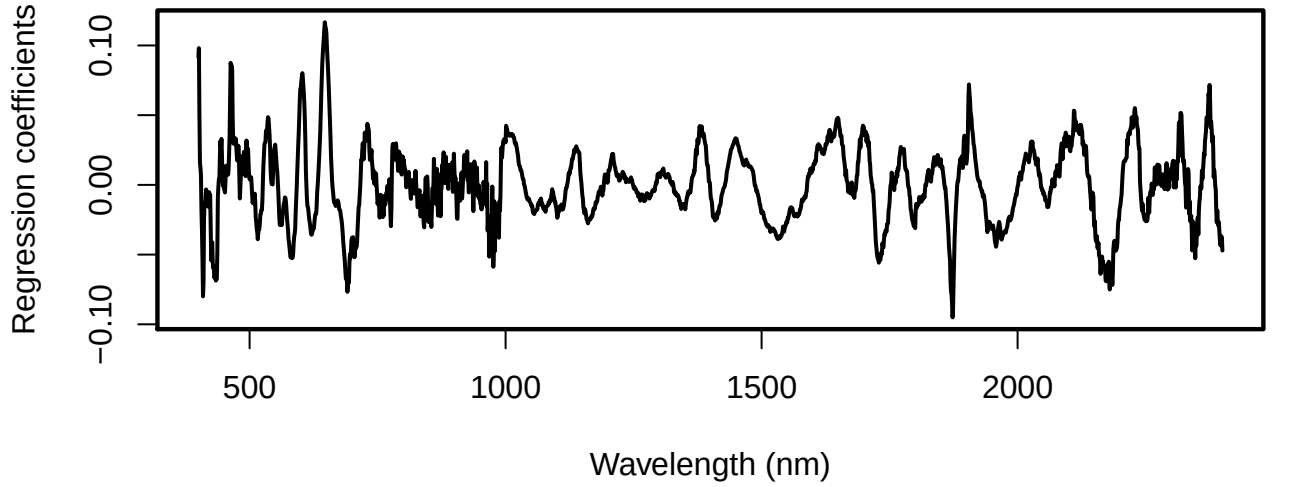

Calibration
Mean Reflectance
Min/Max
95% CI
Reflectance (%)
0
20
40
60
80
100
500
1000
1500
2000
Wavelength (nm)

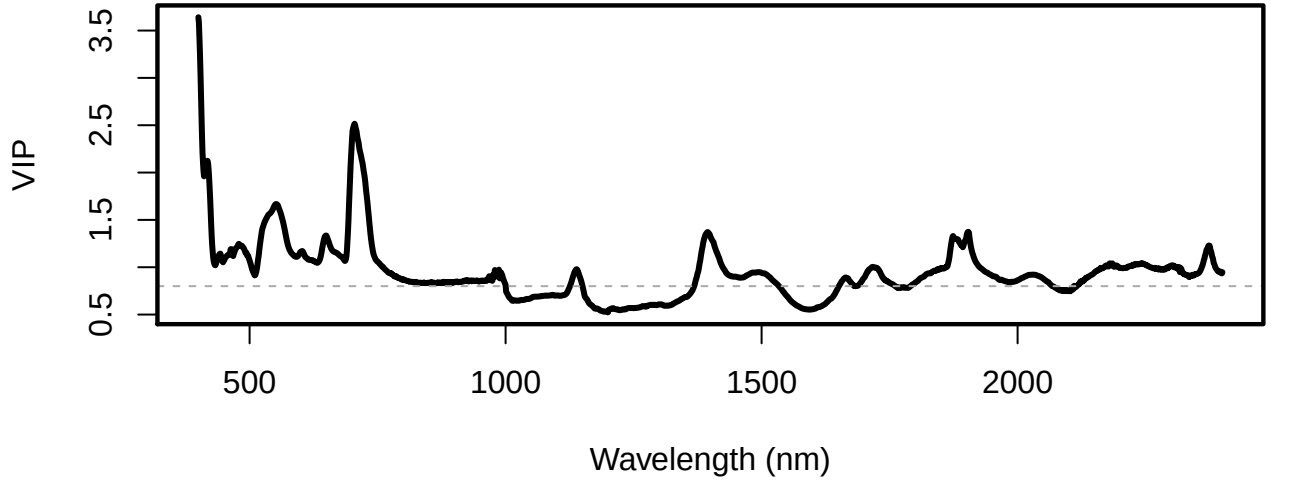

Validation
Mean Reflectance
Min/Max
95% CI
Reflectance (%)
0
20
40
60
80
100
500
1000
1500
2000
Wavelength (nm)


Abs. minimum
Selection
RMSEP
1.0
1.2
1.4
1.6
1.8
0
5
10
15
20
25
30
Number of components


Calibration: Rsq = 0.76; RMSEP = 0.8
Observed sqrt_Vcmax25 (units)
Predicted sqrt_Vcmax25 (units)
2.5
5.0
7.5
10.0
12.5
dataset
Albert_et_al_2018
Barnes_et_al_2017
Burnett_et_al_2019
Lamour_et_al_2021
Rogers_et_al_2017
Rogers_et_al_2020
Wu_et_al_2019
Yan_et_al_2021


Validation: Rsq = 0.67; RMSEP = 0.82; nComps = 19
Observed sqrt_Vcmax25 (units)
Predicted sqrt_Vcmax25 (units)
12.5
10.0
7.5
5.0
2.5
2.5
5.0
7.5
10.0
12.5
dataset
Albert_et_al_2018
Barnes_et_al_2017
Burnett_et_al_2019
Lamour_et_al_2021
Rogers_et_al_2017
Rogers_et_al_2020
Wu_et_al_2019
Yan_et_al_2021


Regression coefficients
0.10
0.00
−0.10
500
1000
1500
2000
Wavelength (nm)


VIP
3.5
2.5
1.5
0.5
500
1000
1500
2000
Wavelength (nm)