

Supplemental Table 1

Supplementary Table 1. Regional Binding and SUVr Overestimation		
Regional ROI	Binding (BP _{ND})	SUVr overestimation
Frontal	.20 ± .14 [*]	.18 ± .12 [*]
Parietal	.14 ± .12	.17 ± .11 [†]
Temporal	.14 ± .09	.15 ± .10

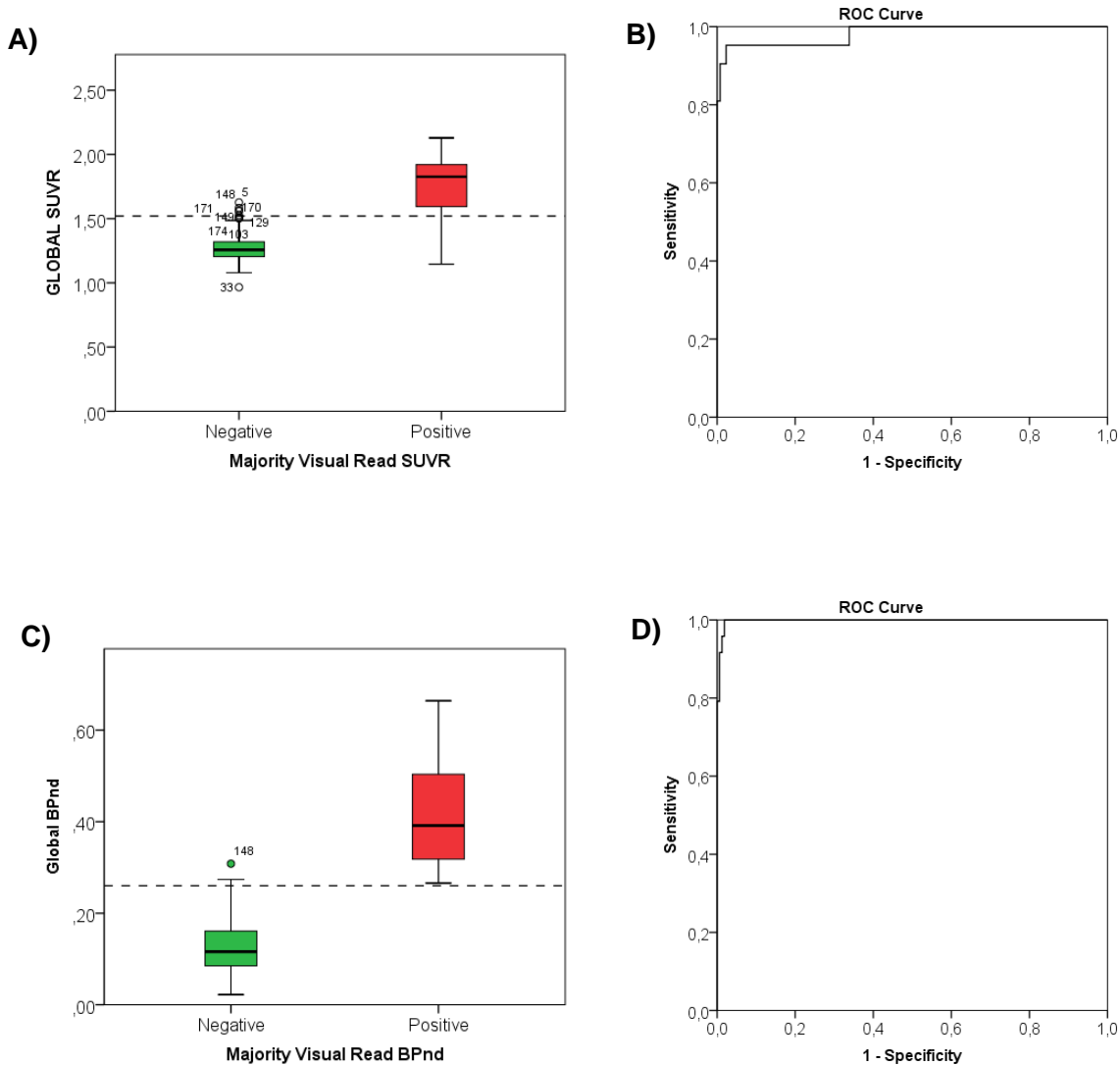
^{*}Significantly higher than parietal and temporal ROI ($p < .01$).

[†]Significantly higher than temporal ROI ($p < .01$).

Supplementary Figure 1. Negative/positive classification based on (semi-)quantitative measures.

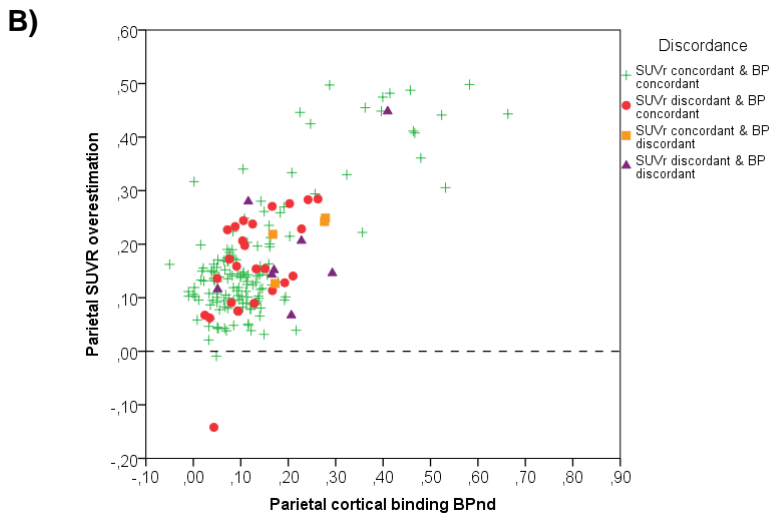
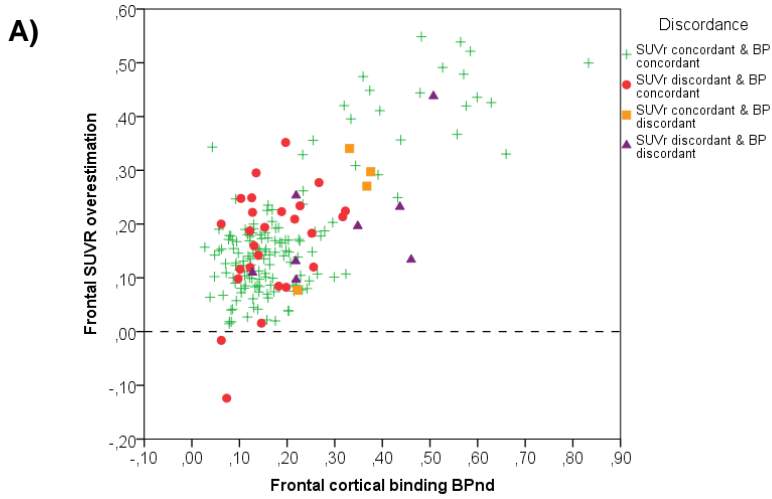
A total of 149 cases had a concordant visual read on both the SUVr and BP_{ND} image and were used in a ROC analysis in order to determine the dichotomous negative/positive cut-off value of the (semi-)quantitative measurements.

A) Boxplot displaying the separation of groups based on the majority visual read of SUVr images and the spread of semi-quantitative values within groups. **B)** ROC curve representing the sensitivity/specificity corresponding to the decision threshold (1.52) based on semi-quantitative values. **C)** Boxplot displaying the separation of groups based on the majority visual read of BP_{ND} images and the spread of quantitative values within groups. **D)** ROC curve representing the sensitivity/specificity corresponding to the decision threshold (0.26) based on quantitative values.



Supplemental Figure 2. Regional SUVR overestimations.

Diagrams showing the difference between **A)** frontal, **B)** parietal, and **C)** temporal SUVR overestimation and BP_{ND} for each subject with regard to visual read. The overestimation of SUVR is higher with increasing cortical binding in all regions.



C)

