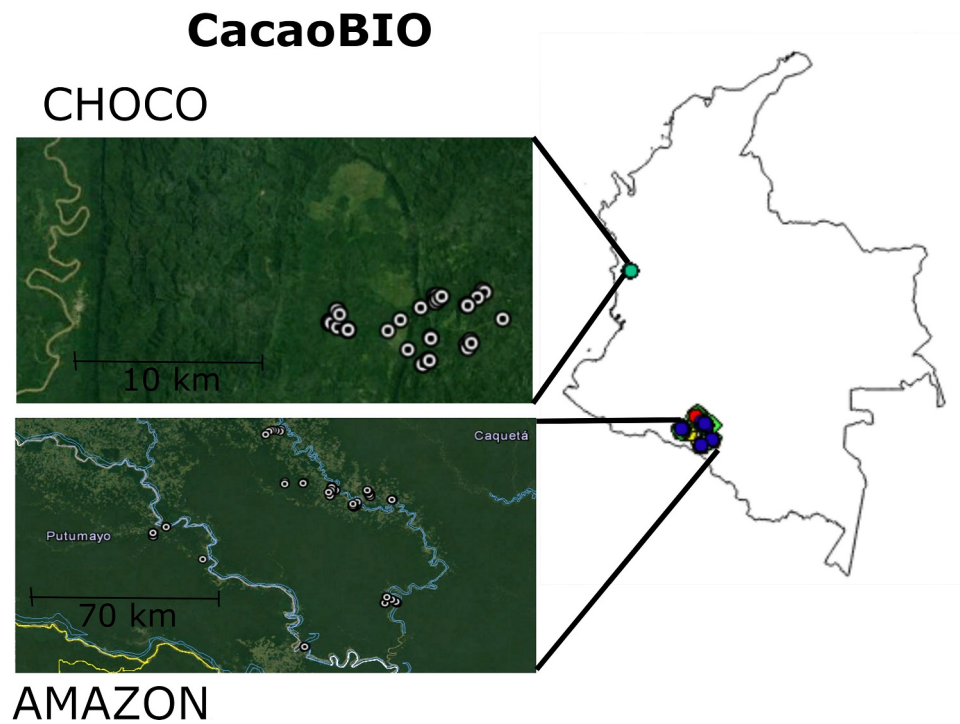
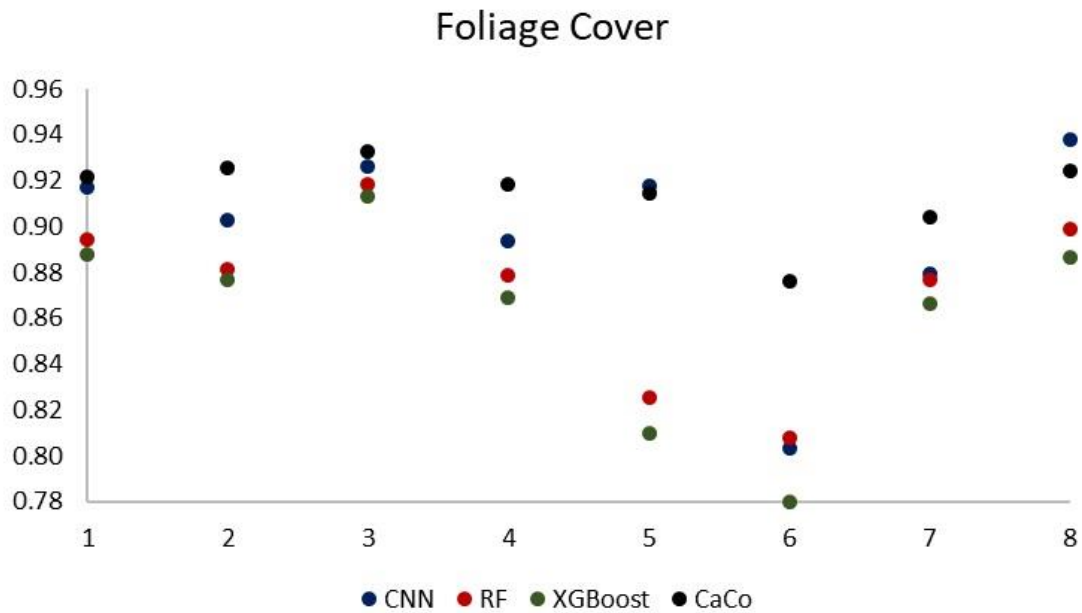


## Supplementary Material

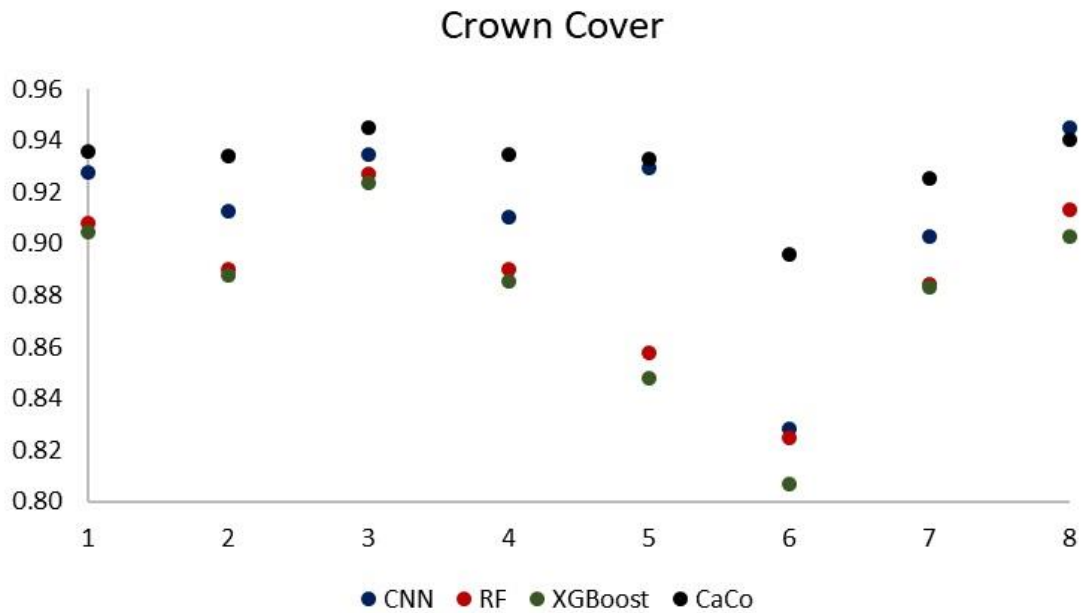
**Fig. S1** - Study sites of the expeditions CacaoBIO to the Choco department and Amazon region of Caqueta and Putumayo departments. The dots are the location of the sampling sites and species distribution occurrences.



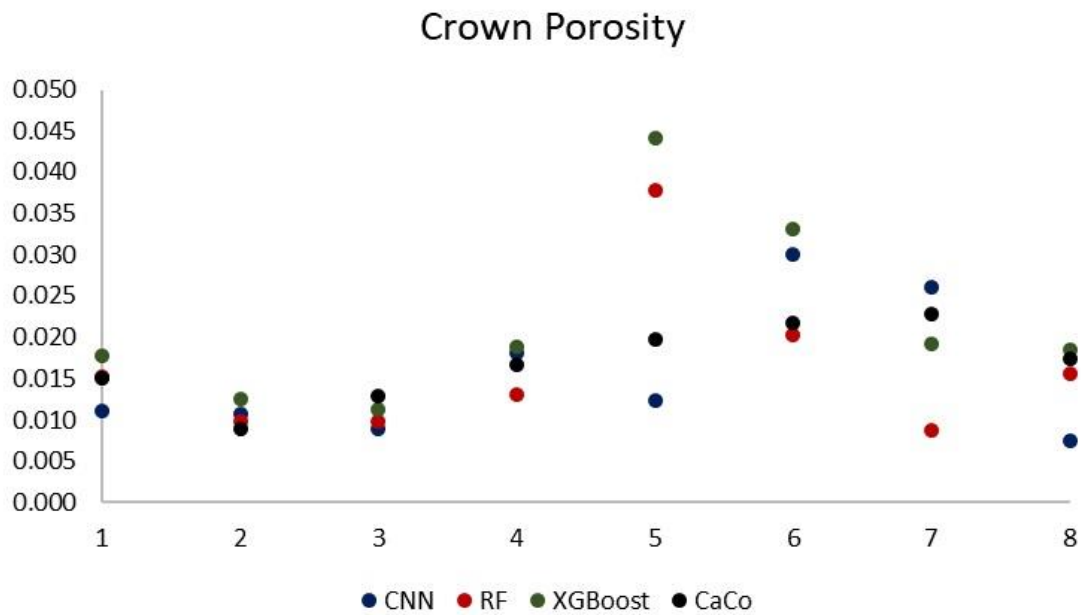
**Fig. S2** - Estimated foliage cover using CNN, RF, XGBoost, and CaCo, on each site.



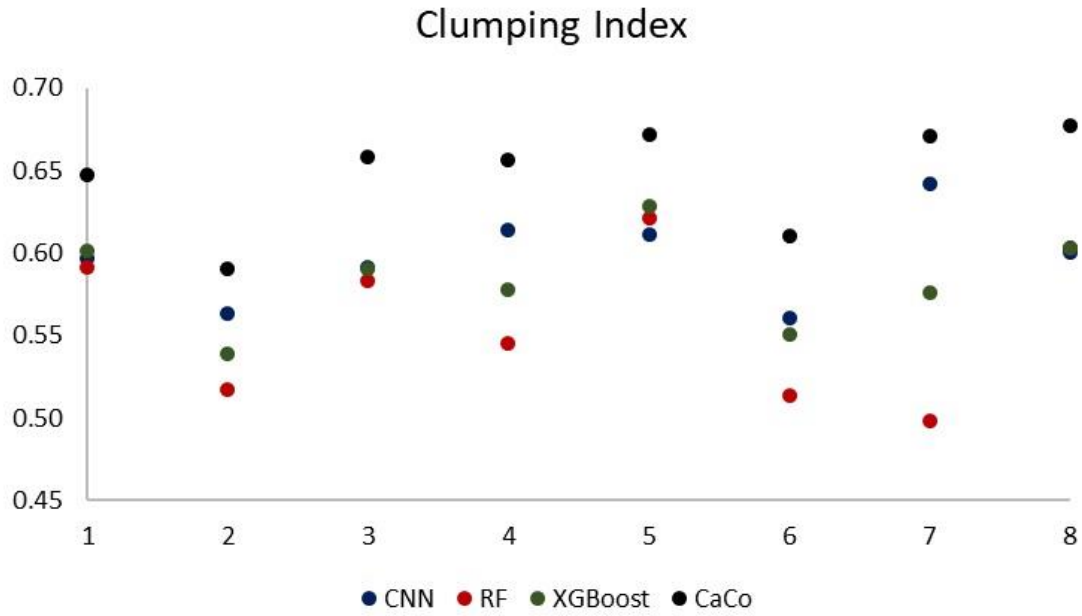
**Fig. S3** - Estimated Crown cover using CNN, RF, XGBoost, and CaCo, on each site.



**Fig. S4** - Estimated crown porosity using CNN, RF, XGBoost, and CaCo, on each site.



**Fig. S5** - Estimated clump index using CNN, RF, XGBoost, and CaCo, on each site.



**Fig. S6** - Estimated LAI using CNN, RF, XGBoost, and CaCo, on each site.

